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

SAMSUNG ELECTRONICS

Printed in Korea
Code No.:GH68-12739A
English (NZL). 10/2006. Rev. 1.0

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

Draft 02
2006. 10. 11
(Version:SCH-W531 ZJ03)

SCH-W531
User’s Guide

Important safety precautions

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

Copyright information

- Bluetooth® is a registered trademark of the Bluetooth SIG, Inc. worldwide.
- Java™ is a trademark or registered trademark of Sun Microsystems, Inc.
- Picsel and Picsel Viewer™ are trademarks of Picsel Technologies, Inc.

Drive safely at all times

Do not use a hand-held phone while driving. Park your 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 your 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 TALK.

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 batteries and accessories, such as headsets and PC data cables. Use of any unauthorised accessories could damage you or 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.

At very high volumes, prolonged listening to a headset can damage your hearing.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 91.

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."

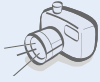
In this guide, the following instruction icons appear:

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

- **GSM and CDMA networks**

  Switch back and forth between GSM and CDMA networks anytime, anywhere.

Special features of your phone



- **Camera and camcorder**

  Use the camera module on your phone to take a photo or record a video.

- **MP3 player**

  Play music files using your phone as an MP3 player. You can use other phone functions while listening to music.

- **Photo studio**
  Add a frame or apply special effects to decorate your photos.

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

- **Email**
  Send and receive emails with image, video, and audio attachments.

- **Countdown timer**
  Use your phone as a countdown timer for an important event.

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

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

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

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

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Press <**Favorites**> in Idle mode.

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Unpack

Make sure you have each item

- Phone
- Travel Charger
- Travel Adapter
- Battery
- User's Guide

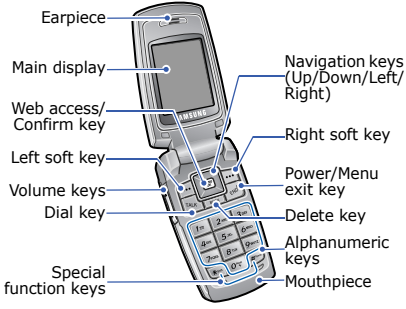
You can obtain various accessories from your local Samsung dealer.

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

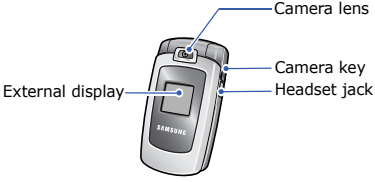
Your phone

Keys, features, and locations

With the phone open



With the phone closed

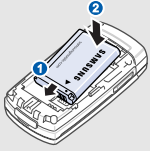


Get started

First steps to operating your phone

Assemble and charge the phone

1 Insert the battery.



2 Reattach the battery cover.

3 Plug the travel adapter into the phone.

4 Plug the adapter into a standard AC power outlet.

5 When the phone is completely charged, unplug the adapter from the power outlet and from the phone.

Power on or off

Switch on Do not switch on the phone when mobile phone use is prohibited.	1. Open the phone.
	2. Press [**END**].
	3. If necessary, enter the PIN and press <**OK**>.
Switch off	1. Open the phone.
	2. Press and hold [**END**].

Keys and icons

Keys

	Perform the function indicated on the bottom line of the display.
	In Idle mode, access your favourite menus directly. In Menu mode, scroll through menu options.
	In Idle mode, access Menu mode. In Menu mode, select the highlighted menu option or confirm input.
	Make or answer a call. In Idle mode, retrieve the numbers recently dialled, missed, or received.
	Delete characters from the display or items in an application.
	Press and hold to switch the phone on or off. End a call. In Menu mode, cancel input and return the phone to Idle mode.
	Enter numbers, letters, and some special characters.
	Enter special characters or perform special functions.

	Adjust the phone volume.
	In Idle mode, press and hold to turn on the camera. In Camera mode, take a photo or record a video.

Icons

The following icons may appear on the top line of the screen to indicate your phone's status. Depending on your country or service provider, the icons shown on the display may vary.

	Received signal strength
	Roaming
	Call in progress
	Out of your service area or Airplane mode; you cannot make or receive calls
	Restriction on ▸ p. 83
	SOS message feature active ▸ p. 52
	Lock mode ▸ p. 83
	Bluetooth active ▸ p. 40
	New e-mail in server
	New e-mail in Inbox
	New text message
	New Web alert

	New voicemail
	Urgent message
	Alarm set ▸ p. 58
	Ringer type setting ▸ p. 82 • : Level 1~8 or 1 Beep • : Level 1~8 or 1 Beep with vibration • : Ringer Off or Silent All • : Ringer Off with vibration • : Vibration All
	Answering machine feature active ▸ p. 86
	Battery power level

Access menu functions

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

Use menu numbers	Press the number key corresponding to the option you want.

Customise your phone

Call ringer melody

1. In Idle mode, press [**MENU OK**] and select **Settings** → **Sounds** → **Ringer** → **Voice Calls**.
2. Select **With Caller ID** or **No Caller ID**.
3. Select a ringtone category.
4. Select a ringtone.

Idle mode wallpaper

You can set wallpaper for the idle screen on the displays.

1. In Idle mode, press [**MENU OK**] and select **Settings** → **Display** → **Screen Saver** → **Main LCD** or **Sub LCD**.
2. Select an image or video category.
3. Scroll to an image or video clip and press <**Assign**>.

Menu mode appearance

You can customise the appearance of Menu mode.

For Menu Style:

1. In Idle mode, press [**MENU OK**].
2. Press <**Options**> and select **Menu Style**.
3. Select a menu style.

For Focus Effect:

1. In Idle mode, press [**MENU OK**].
2. Press <**Options**> and select **Focus Effect**.
3. Select an effect.

For Background:

1. In Idle mode, press [**MENU OK**].
2. Press <**Options**> and select **Background**.
3. Select an image.

Silent mode or Vibration mode

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

To activate Silent mode:

1. In Idle mode, press [▲/▼] and select **Silent All**.
2. Press <**Done**>.

To activate Vibration mode:

1. In Idle mode, press [▲/▼] and select **Vibration All**.
2. Press <**Done**>.

Menu shortcuts

You can set the Navigation keys to function as shortcuts to access your favourite menus.

1. In Idle mode, press [**MENU OK**] and select **Settings** → **Launch Pad**.
2. Select a key.
3. Select a menu to be assigned to the key.

Phone lock

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

1. In Idle mode, press [**MENU OK**] and select **Settings** → **Security**.
2. Enter the default password, the last 4-digit of your phone number and press <**OK**>.
3. Select **Change Lock**.
4. Enter a new 4-digit password and press <**OK**>.
5. Enter the new password again and press <**OK**>.
6. Select **Lock Phone**.
7. Select **Lock Now** or **On Power-Up**.

Make/Answer calls

Make a call

1. In Idle mode, enter an area code and phone number.
2. Press [**TALK**].
3. To end the call, press [**END**].

Answer a call

1. When the phone rings, press [**TALK**].
2. To end the call, press [**END**].

Adjust the volume during a call

Press [▲/▼].

Step outside the phone

Begin with your camera, the web, and other special features

Use the camera

Take a photo

1. Open the phone.
2. In Idle mode, press and hold [📷] to turn on the camera.
3. Aim the lens at the subject and make any desired adjustments.
4. Press [**MENU OK**], or [📷] to take a photo.
5. Press [**Save**]. The phone returns to Capture mode automatically.

View a photo

1. In Idle mode, press [ ] and select **My Album**.
2. Select an album.
3. Scroll to the photo you want and press <**Expand**>.

Record a video

1. In Idle mode, press and hold [ ] to turn on the camera.
2. Press [**1**] three times to select the icon.
3. Press < > to start recording.
4. Press < > to stop recording.
5. Press <**Save**>. The phone returns to Camcorder mode automatically.

Play a video

1. In Idle mode, press [ ] and select **My Album** → **Gallery**.
2. Select an album.
3. Scroll to a video clip and press <**Expand**>.
4. Press <**Play**>.

Browse the web

Using a built-in web browser, you can easily access the wireless web to get a variety of up-to-date services and information and to download web content.

Launch the web browser

In Idle mode, press [**MENU OK**] and select **Web**.

Navigate the web

- To scroll line by line, press [Up] or [Down].
- To scroll page by page, press [▲/▼].
- To select a browser item, press <**GO**> or [**MENU OK**].
- To return to the previous page, press [**BACK**].
- To access options, press the right soft key.

Use Contacts

Add an entry

To save as a new entry:

1. In Idle mode, enter a phone number and press [**MENU OK**].
2. Select **New entry** → a number type.
3. Specify contact information: Photo ID, Name, Storage location, Phone number, Pager, Fax, Email, URL, Nickname, Memo, Group, and Ring.
4. Press <**Done**> to save the entry.

To add to an existing entry:

1. In Idle mode, enter a phone number and press [**MENU OK**].
2. Select **Existing entry**.
3. Enter the first few letters of the name you want.
4. Select an entry from the list.
5. Select a number type.
6. Press <**Done**> to save the entry.

Find an entry

1. In Idle mode, press <**Contacts**>.
2. Enter the first few letters of the name you want.
3. Select an entry.
4. Scroll to a number and press [**TALK**] to dial.

Send messages

Send a text message (SMS)

1. In Idle mode, press [**MENU OK**] and select **Messaging** → **Send Message** → **Text**.
2. Enter a phone number or e-mail address or select it from your Contacts or recent message log.
3. Press <**Next**>.
4. Enter your message and press <**Next**>.
5. Press <**Send**> to send the message.

Send a multimedia message (MMS)

1. In Idle mode, press [**MENU OK**] and select **Messaging** → **Send Message** → **Picture Msg**.
2. Enter a phone number or e-mail address or select it from your Contacts or recent message log.
3. Press <**Next**>.
4. Select a photo or video clip from your phone's memory, a memory card, or online album.
5. Press <**Next**>.
6. Scroll to **Subj** and press <**Add**>.
7. Enter a subject and press <**Next**>.
8. Scroll to **Text** and press <**Add**>.
9. Enter a message text and press <**Next**>.
10. Scroll to the box next to **Audio** and press <**Record**>.
11. Press the left soft key to record a voice memo, and save it.
12. Select a priority level of the message.
13. Press the left soft key to send the message.

View messages

View a text message

When a notification appears:

The message displays.

When you have any missed alerts:

The message displays with a missed alert list.

1. Scroll to a message.
2. Press <**View**>. The message displays.

From the Inbox:

1. In Idle mode, press [**MENU OK**] and select **Messaging** → **Text Message** → **Inbox**.
2. Select a text message.

View a multimedia message

When a notification appears:

The message displays.

When you have any missed alerts:

The message displays with a missed alert list.

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

From the Inbox:

1. In Idle mode, press [**MENU OK**] and select **Messaging** → **Picture Msg** → **Inbox**.
2. Select a multimedia message.

Use Bluetooth

Your phone is equipped with Bluetooth technology, enabling you to connect the phone wirelessly to a Bluetooth headset or hands-free car kit.

Turn on Bluetooth

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

Search for and pair with a Bluetooth device

1. In Idle mode, press [**MENU OK**] and select **Bluetooth** → **Bluetooth** → **Search**.
2. Scroll to a device and press <**Add Lis**>.

Search for and pair with a Bluetooth device

3. Enter a Bluetooth PIN or the other device's Bluetooth PIN, if it has one, and press <**OK**>.
   When the owner of the other device enters the same code, pairing is complete.

Enter text

T9, Alpha, Symbol, and Number modes

You can enter text for some features such as messaging, Contacts, or Calendar, using T9 mode, Alpha mode, Symbol mode, and Number mode.

Changing the text input mode

Press <**Mode**> and select the input mode you want.

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.

Other T9 mode operations

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

Using Alpha mode

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

Other Alpha mode operations

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or press [Right]. Then, enter the next letter.
- Press [*] to change case.
- Press [#] to insert a space.
- Press the Navigation keys to move the cursor.
- Press [**BACK**] to delete characters one by one. Press and hold [**BACK**] to clear the display.

Using Symbol mode

Symbol mode enables you to insert symbols.

- To display more symbols, press [Left] or [Right].
- To select a symbol, press the corresponding number key.

Using Number mode

Number mode enables you to enter numbers.

Press the keys corresponding to the digits you want.

Call functions

Advanced calling features

Making a call

1. In Idle mode, enter an area code and phone number.

> ☑ Press [**BACK**] to clear the last digit or press and hold [**BACK**] to clear the whole display. You can move the cursor to edit an incorrect digit.

2. Press [**TALK**].
3. When you want to end the call, press [**END**].

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 [**TALK**].

Redialling recent numbers

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

Making a call from Contacts

Once you have stored a number in Contacts, you can dial the number by selecting it from Contacts. ▶ p. 76

You can also use the speed dial feature to assign number keys to your most frequently called numbers. ▶ p. 78

1. In Idle mode, enter a speed dial number. The entry saved for the speed dial number displays.
2. Press [**TALK**].

Pause dialling

When you call an automated system, like a banking service, you are required to enter a password or account number. Instead of manually entering the numbers each time, you can enter the necessary DTMF tones separated by pauses before dialling.

> ☑ DTMF tones are the tones you hear when you press the number keys. DTMF tones allow you to communicate with computerized telephone systems, for example, voicemail servers or telebanking systems.

1. In Idle mode, enter the phone number you want to dial, such as a bank's teleservice number.
2. Press <**Options**> and select **Hard Pause** or **2sec Pause** to insert a pause.
   - **Hard Pause**: insert a hard pause. Numbers after the "P" pause will be sent when you press [**TALK**].
   - **2sec Pause**: insert a 2-second pause. Numbers after the "T" pause will be sent automatically.
3. Enter a number to be sent after the pause, such as your account number, PIN, etc.
4. Repeat steps 2 and 3 to add more pauses and numbers, if necessary.
5. Press [**TALK**] to make a call.
6. After connecting, wait for a prompt from the system, and then press [**TALK**] at each prompt, if applicable.
   The DTMF tones are sent.

Answering a call

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

Press <**Answer**> or [**TALK**] to answer the call.

Tips for answering a call

- When **By any key** is active, you can press any key, except for <**Ignore**>, [**END**], and [▲/▼]. ▶ p. 86
- When **By folder open** is active, you can simply open the phone. ▶ p. 86
- Press <**Ignore**> to reject a call.
- Press [▲/▼], [**BACK**], or [**END**] to mute the call ringer.

Viewing missed calls

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

1. Press [**MENU OK**].
2. If necessary, scroll through the missed calls.
3. Press [**TALK**] 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 works as follows:

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

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

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

Press [▲] to increase the volume level and [▼] to decrease the volume level.

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.

1. Press [**TALK**] to answer the call. The first call is automatically put on hold.
2. Press [**TALK**] to switch between the calls.
3. To end the current call, press [**END**].

Making a three-way call

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

1. During a call, press [**TALK**] and make another call.
   The first caller is placed on hold.
2. Press [**TALK**] to begin the three-way call.

Switching your microphone off or on

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

During a call, press <**Mute**>. To switch the microphone on, press <**Unmute**>.

Using In-call options

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

- **Key Mute**/**Key Unmute**: mute the key tones so that the person you are talking to cannot hear any keypresses, or unmute them to allow the person to hear the key tones.

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

- **Contacts**: access the **Contacts** menu.
- **Messaging**: access the **Messaging** menu.
- **3-way call**: converse with two people simultaneously.
- **Call History**: access the **Call History** menu.
- **Voice memo**: access the **Voice Memo** menu.
- **Tools**: access the **Tools** menu.
- **Phone Info**: access your phone information.
- **Speaker phone**: activate the speakerphone feature to talk and listen with the phone a short distance away.

Menu functions

All menu options listed

Web *(Menu 1)*

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

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

Launching the web browser

Selecting this menu launches the web browser and accesses the homepage of your service provider.

Navigating the web browser

To	Press
scroll line by line	[Up] or [Down].
scroll page by page	[▲/▼].
select a browser item	<**GO**> or [**MENU OK**].
return to the previous page	[**BACK**].

Using page options

From any web page, press the right soft key to access the following options:

- **Back**: go back to the previous page.
- **Home**: return to the homepage.
- **Forward**: move forward through pages in history.
- **Mark this Page**: bookmark the current page.

- **View Bookmarks**: access the bookmark list.
- **Search**: launch a Google search.
- **Send page to...**: send the URL of the current page via SMS.
- **Go to URL**: enter a URL address manually.
- **History**: access the list of web pages you have accessed.
- **Refresh this page**: reload the current page with updated information.
- **More**: change the various settings for the browser.

  Show URL: display the URL address of the current web page.

  Restart Browser: restart the browser without exiting it.

  About Browser: access version and copyright information about the browser.

  Preferences: change the browser display and sound settings.

Exiting the web browser

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

Call History *(Menu 2)*

Use this menu to view the calls you have dialled, received, or missed.

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

Outgoing Calls *(Menu 2.1)*

This menu displays the most recent calls you have dialled.

Accessing a call history

1. Press [Left] or [Right] to move to another call type.
2. Press [Up] or [Down] to scroll through the call list.
3. Press [**MENU OK**] to view the details of a call, or press <**Call**> or [**TALK**] to dial a number.

Using call history options

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

- **Send msg.**: send a message to the selected number.
- **Show Contacts**: access the contact information, if saved in Contacts.
- **Save**: save the number in Contacts, if not saved.
- **Prepend**: add an area code or service number before dialling the selected number.
- **Erase**: delete the call history.

Incoming Calls *(Menu 2.2)*

This menu displays the most recent calls you have received.

Missed Calls *(Menu 2.3)*

This menu displays the most recent calls you did not answer.

Recent Calls *(Menu 2.4)*

This menu displays the most recent calls dialled, received, or missed.

GSM Call Cost *(Menu 2.5)*

This GSM network feature lets you view the cost of calls.

Music Player *(Menu 3)*

Use this menu to play music files.

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

Music Player *(Menu 3.1)*

You can play MP3 files. First, you need to save MP3 files in your phone's memory.

Downloading MP3 files

Use the following methods to save MP3 files:

- Download from the wireless web ▶ p. 31
- Copy directly from a PC ▶ p. 59

Creating a play list

Before playing MP3 files, you need to add them to the play list. If the play list is empty, the list of the MP3 files stored in your phone's memory displays.

1. Press <**Options**> and select **Add to play list**.
2. Press <**Check**> to select the files you want.
3. Press <**Add**>.
4. To play the music files, press <**Play**>.

Playing MP3 files

From the MP3 player screen, press [MENU OK] to begin playback.

☑ Even if the phone is in Silent mode, it will play the sound.

During playback, use the following keys:

Key	Function
MENU OK	Pauses or resumes playback.
Up	Changes the repeat mode. • ↻A↺: repeats all files. • ↻1↺: repeats the current file. • SFL : plays the files at random. • No icon: plays the selected file.
Down	Opens the play list.
Left	Skips to the previous file. Skips backward in a file when held down.
Right	Skips to the next file. Skips forward in a file when held down.
▲/▼	Adjusts the volume.

Key	Function
A-**B**	Repeats a section of your choice. Pressing this key begins a search for the starting point. To search for the end point, press <**A** → **B**>. To stop repeating, press <**A** ↔ **B**>. If the MP3 file supports lyrics, the phone recognises entire lyrics displayed on the player screen as a starting point or ending point.

Using MP3 player options

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

- **Go to file list**: access the file list.
- **Timer**: set the length of time the MP3 player stays on. The timer appears to show you the time remaining.

- **Set to ringer**: set the music file as a ringtone for incoming calls, alarms, or scheduler alarms.
- **Visual effect**: change the playback animation.
- **File info**: access the file properties.
- **Backlight**: select the length of time the backlight remains on while playing an MP3 file.

  Default: the backlight turns off after the period of time set in the **Backlight** menu.

  Always on: the backlight of the display does not turn off.
- **Find by name**: access the **Find** menu. ▶ p. 76
- **SMS**: access the **New message** menu. ▶ p. 43

My Play List *(Menu 3.2)*

Use this menu to access the play list you have created.

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

- **Add to play list**: add files to the play list.
- **Remove**: remove the selected files from the play list.
- **Visual effect**: change the playback animation.
- **Go to file list**: access the file list.
- **File info**: access the file properties.

Music Files *(Menu 3.3)*

Use this menu to access MP3 files stored in the phone's memory.

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

- **Open files**: access the file list and create a play list.
- **Add to play list**: add the MP3 files in the selected folder or the selected MP3 file to the play list.
- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Rename**: change the file name.

  ☑ Do not use special characters for a file name, such as /, :, *, ?, ", <, >, or \.

- **Sort**: change the sort order of the file list.
- **File info**: access the file properties.
- **Set to ringer**: set the music file as a ringtone for incoming calls, alarms, or scheduler alarms.
- **Erase**: erase the selected files.
- **Create folder**: add a new folder.

Music Settings *(Menu 3.4)*

Use this menu to customise settings for using the MP3 player feature.

- **Skip Length**: select the interval by which the phone skips forward or backward through a music file when you press [Left] or [Right].
- **Load Default**: restore the default settings for the MP3 player.
- **Clock View**: set whether the MP3 player to display the current time

Voice services *(Menu 4)*

Use this menu to access voice-related features.

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

Voice Memo *(Menu 4.1)*

Use this menu to record voice memos. A voice memo can be up to one minute long.

Record *(Menu 4.1.1)*

You can record voice memos and save them in the phone's memory.

1. Speak into the microphone.
   - Press <**Pause**> to pause recording.
   - Press <**Resume**> to resume recording.
2. When you have finished, press <**Finish**> or [**MENU OK**].

Review *(Menu 4.1.2)*

You can access the voice memos you have recorded. Select the voice memo you want.

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

- **Edit Caption**: change the file name.
- **Erase**: delete the selected file.
- **Erase All**: delete all files.
- **Info**: access the file properties.

Services *(Menu 4.2)*

Your phone is pre-programmed with contact numbers for various services. Use this menu to dial your customer service centre or service representative for direct assistance.

Missed Alerts *(Menu 5)*

When you are unable to acknowledge an alarm for scheduled items or alarm alerts, or when you have missed a call or an alert for a message, the phone stores the alarm or alert until you confirm it.

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

Bluetooth *(Menu 6)*

Use this menu to connect your phone to other compatible devices wirelessly using Bluetooth technology.

Bluetooth *(Menu 6.1)*

Using Bluetooth wireless, you can connect the phone wirelessly to a Bluetooth headset or hand-free car kit to talk hands-free.

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

- If there are obstacles between the devices, the operating distance may be reduced.
- It is recommended that you don't use the Bluetooth feature while using multimedia features, such as voice recorder, camera or camcorder, and Media player, or vice versa, for better performance.
- Some devices, especially those that are not tested or approved by SIG, may be in compatible with your phone.

Searching and pairing with a Bluetooth device

1. Press <**Search**>.
   After searching, a list of devices to which you can connect displays.

2. Scroll to the device and press <**Add Lis**>.
3. Enter a Bluetooth PIN and press < **OK**>. This code is used just once and you do not need to memorise it.

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

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

Waiting for pairing with a Bluetooth device

1. Press <**Add New**> and select **Wait for request**.
2. Select a visibility options, **Always Visible** or **Visible for 3min**.
3. Enter a Bluetooth PIN and press [**MENU OK**].
4. Scroll to the device and press <**Add to list**>.

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

Using device options

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

- **Add New**: search for a device.
- **Info**: access the selected device information.

Settings *(Menu 6.2)*

Use this menu to change the Bluetooth settings.

- **Enable**: activate or deactivate the Bluetooth feature.
- **Visibility**: allow other Bluetooth devices to locate your phone, or not.
- **Device Name**: assign another Bluetooth device name to your phone name.

- **Device Info**: access your phone information for using Bluetooth services.

My Content *(Menu 7)*

The **My Content** menu allows you to access Games, ringtones, screensavers, and various applications stored in your phone's memory.

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

Games

Use this menu to access and download Games.

Accessing a game

Select a game from the game list and follow the onscreen instructions. The procedure may differ from game to game.

Using Games options

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

- **Run**: launch the selected application.
- **Erase**: delete the selected application.
- **Erase All**: delete all applications.
- **Settings**: set permission settings for services charging you additional costs, such as network access and GPS service.
- **Properties**: access the application properties.

Downloading Games

1. Select **Get New Games**. You are connected to the website preset by your service provider.
2. Search for the application you want and follow the onscreen instructions to download it.

Ringers

Use this menu to access ringtones and sound clips you have downloaded from the wireless web.

Using ringtone options

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

- **Listen**: play the ringtone.
- **Set As..**: set the ringtone as your call ringer.
- **Erase**: delete the selected file.
- **Erase All**: delete all files.
- **Properties**: access the file properties.

Downloading ringtones

1. Select **Get New Ringers**. You are connected to the website preset by your service provider.
2. Search for the file you want and follow the onscreen instructions to download it.

Screen Savers

Use this menu to access screensavers you have downloaded from the wireless web.

Using screensaver options

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

- **View**: open the screensaver file.
- **Set As..**: set the screensaver file as wallpaper for the idle screen.
- **Erase**: delete the selected file.
- **Erase All**: delete all files.
- **Properties**: access the file properties.

Downloading screensavers

1. Select **Get New Screen Savers**. You are connected to the website preset by your service provider.
2. Search for the file you want and follow the onscreen instructions to download it.

Applications

Use this menu to access various applications you have downloaded from the wireless web.

Using Java application options

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

- **Run**: launch the selected application.
- **Erase**: delete the selected application.
- **Erase All**: delete all applications.
- **Settings**: set permission settings for services charging you additional costs, such as network access and GPS service.
- **Properties**: access the application properties.

Downloading various applications

1. Select **Get New Applications**. You are connected to the website preset by your service provider.
2. Search for the application you want and follow the onscreen instructions to download it.

Caller Tunes

Use this menu to connect to the website preset by your service provider, and access ringtones to use on your phone for ringback tone service.

Messaging *(Menu 8)*

Use the **Messaging** menu to send and receive text messages, multimedia messages, and hand written messages.

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

Send Message *(Menu 8.1)*

Use this menu to create and send messages.

Creating and sending a text message

Short Message Service (SMS) allows you to send or receive text messages that may include pictures, animated images, and melodies.

1. Select **Send Message** then **Text**.
2. Enter a destination phone number or e-mail address manually in the **Mobile #** or **Email** box.

   You can also select **Contacts** to retrieve a phone number or e-mail address from your Contacts, or press <**Recent List**> to retrieve it from the list of destinations to which you have sent messages.
3. Press <**Next**>.
4. Enter your message and press <**Next**>.

> ☑ The maximum number of characters allowed in a message varies by service provider. Telecom's maximum allowance for sent messages is 160 characters. If a received message exceeds the maximum number of characters, the phone will split the message.

5. Press <**Send**> to send the message.

Creating and sending a multimedia message

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. To use the Picture messaging service, you need to register for the picture message server.

1. Select **Picture Msg**.
2. Enter a destination phone number or e-mail address manually in the **Mobile #** or **Email** box.

3. You can also select **Contacts** to retrieve a phone number or e-mail address from your Contacts, or press <**Recent List**> to retrieve it from the list of destinations to which you have sent messages.
4. Press <**Next**>.
5. Select one of the following options and select a photo you want to send:
   - **In Phone**: select a photo from your phone's memory.
   - **Online Albums**: select a photo from your online album.
   - **Take New Picture**: take a new photo.
   - **Take New Video**: record a new video clip.
   - **Text Only**: enter a message text without attaching a photo to the message.
6. Press <**Next**>.
7. Scroll to **Subj** and press <**Add**>.
8. Enter a subject and press <**Next**>.
9. Scroll to **Text** and press <**Add**>.
10. Enter a message text and press <**Next**>.
11. Scroll to the box next to **Audio** and press <**Record**>.
12. Press the left soft key to record a voice memo, and save it.
13. Select a priority level of the message.
14. Press the left soft key to send the message.

Creating and sending a hand written message

1. Select **Hand.msg**.
2. Enter a destination phone number or e-mail address manually in the **Mobile #** or **Email** box.
3. You can also select **Contacts** to retrieve a phone number or e-mail address from your Contacts, or press <**Recent List**> to retrieve it from the list of destinations to which you have sent messages.

4. Press <**Next**>.
5. Take a photo of your handwriting. The handwriting text photo will be added on the white background.
6. Follow the instructions from the step 6 in "Creating and sending a multimedia message."

Picture Msg *(Menu 8.2)*

Use this menu to access multimedia messages you have received, sent, or saved.

Inbox

This folder stores multimedia messages you have received.

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

- **Reply all**: reply to the sender and all recipients.
- **Reply Via**: reply to the sender via a text message, multimedia message, or hand message.
- **Call**: dial the selected number.
- **Launch URL**: connect to the URL specified in the message.
- **Forward**: forward a message to other people.
- **Save..**: extract URLs, e-mail addresses, or phone numbers from the message and save it in your Contacts. You can also save the message in the **Saved Mail** folder.
- **Print Media**: extract an image from the message and send it to a destination preset by your service provider, or a photo printing shop via Picture messaging service.
- **Erase**: delete the message.
- **Assign Media**: set an image as a caller ID image for a Contacts entry or an incoming

call, or set an image or video clip as wallpaper for the idle screen.

- **Message Info**: access the message properties.

Sent Mail

This folder stores multimedia messages you have sent.

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

- **Forward**: forward the message to other people.
- **Call**: dial the selected number.
- **Launch URL**: connect to the URL specified in the message.
- **Save..**: extract URLs, e-mail addresses, or phone numbers from the message and save it in your Contacts. You can also save the message in the **Saved Mail** folder.
- **Print Media**: extract an image from the message and send it to a destination preset by your service provider, or a photo printing shop via Picture messaging service.
- **Erase**: delete the message.
- **Assign Media**: set an image as a caller ID image for a Contacts entry or an incoming call, or set an image or video clip as wallpaper for the idle screen.
- **Message Info**: access the message properties.

Saved Mail

This folder stores multimedia messages you have saved to send at a later time.

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

- **Call**: dial the selected number.

- **Launch URL**: connect to the URL specified in the message.
- **Forward**: forward the message to other people.
- **Save..**: extract URLs, e-mail addresses, or phone numbers from the message and save it in your Contacts.
- **Print Media**: extract an image from the message and send it to a destination preset by your service provider, or a photo printing shop via Picture messaging service.
- **Erase**: delete the message.
- **Assign Media**: set an image as a caller ID image for a Contacts entry or an incoming call, or set an image or video clip as wallpaper for the idle screen.
- **Message Info**: access the message properties.

Pending

This folder stores multimedia messages that the phone is attempting to send or has failed to send.

Text Message *(Menu 8.3)*

Use this menu to access messages you have received, sent, or which have failed in sending.

Inbox *(Menu 8.3.1)*

This folder stores all of the text messages you have received.

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

- **Go**: connect to the URL specified in the message.
- **Call**: dial the selected number.

- **Forward**: forward the message to other people.
- **Lock**/**Unlock**: lock the message from being deleted, or unlock the message.
- **Save Number**: extract a phone number from the message and save it in your Contacts.
- **Save Email**: extract an e-mail address from the message and save it in your Contacts.
- **Erase**: delete the message.
- **Erase Multiple**: delete the messages you select.

Outbox *(Menu 8.3.2)*

This folder stores messages that the phone is attempting to send or has failed to send.

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

- **Call**/**Save**: dial the number or save it in your Contacts.
- **Forward**: forward the message to other people.
- **Resend**: resend the message.
- **Compose new**: create a new text message.
- **Lock**/**Unlock**: lock the message from being deleted, or unlock the message.
- **Erase**: delete the message.
- **Erase Multiple**: delete the messages you select.
- **Copy**: copy the number.
- **Move**: move the number.

Drafts *(Menu 8.3.3)*

This folder stores messages you have saved to send at a later time.

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

- **Call**/**Save**: dial the number or save it in your Contacts.
- **Edit**: edit the message.

- **Go**: connect to the URL specified in the message.
- **Send**: send the message.
- **Compose new**: create a new text message.
- **Erase**: delete the message.
- **Erase Multiple**: delete the messages you select.

Send Text *(Menu 8.3.4)*

Use this menu to create and send text messages. ▶ p. 44

Go to Email *(Menu 8.4)*

Use this menu to access the website, for the e-mail service, supplied by your service provider.

Voice Mail *(Menu 8.5)*

Use this menu to connect to the voicemail server and access your voicemail.

☑ Your service provider can give the voicemail server number.

- **Call Voicemail**: access your voicemail server and listen to your voicemail.
- **Clear Envelope**: remove the voicemail icon from the screen.

Premium Msg *(Menu 8.6)*

Use this menu to access premium messages including images, videos, and audio received from your service provider, or a third party provider. For further details on receiving this message, contact your service provider.

Settings *(Menu 8.7)*

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

General *(Menu 8.7.1)*

You can set up the options for sending and receiving messages.

- **Notification**: set how the phone informs you of new messages.
- **Preset Messages**: access preset messages you frequently use.
- **Edit Signature**: set your signature to be added to the end of messages and enter your signature.
- **Message Alert**: change the message alert settings.
- **Auto-Erase**: set what will happen if new messages arrive when the Inbox is full.

  Yes: the phone automatically erases old messages in order to receive new messages

  No: the phone alerts you that new messages are being rejected because the Inbox is full.
- **SPAM Message**: block unwanted message by setting up the SPAM message filters.

  SPAM Settings: activate or deactivate the SPAM message blocking feature.

  SPAM Number: store the phone numbers from which you want to reject messages.

  SPAM String: specify the message subjects you want to reject.

Text Message *(Menu 8.7.2)*

You can set up the options for sending text messages:

- **Save in Outbox**: set to save messages in Outbox after sending.
- **Priority**: select a priority level of messages.

- **Call Back #**: set the callback number to be added to outgoing text messages.

GSM Settings *(Menu 8.7.3)*

You can customise the settings for your outgoing messages in a GSM network:

- **Service centre**: set the number of your message centre.
- **Validity period**: set the length of time your messages are stored in the SMS server.
- **Message type**: set the default message type. The network can convert the messages into the selected format.
- **Reply path**: allow the recipient to reply to you through your message centre.
- **Delivery report**: set the network to inform you when your message has been delivered.
- **Voice mail centre**: set the number of your voicemail centre. Please contact your service provider for further details.

SOS message *(Menu 8.8)*

In an emergency, you can send SOS messages to your family or friends for help. Use this menu to specify options for sending SOS messages.

Activating the SOS message feature

1. Select **SOS On/Off** → **On** to activate the SOS message feature.
2. Specify the phone numbers to which you want to send SOS messages and press <**Save**>.
3. Press <**Yes**> to send a message to the saved phone numbers.

Sending an SOS message

When your phone is closed, press [▲/▼] 4 times. The phone switches to Emergency mode and sends the preset SOS message. To exit Emergency mode, press [**END**].

Changing the SOS message ringer

- To change the alert type for incoming SOS messages, access **Set SOS Alarm** and select the option you want.

Tools *(Menu 9)*

Use this menu to access Bluetooth services, keep track of your schedule, create tasks, make memos, or set alarms. You can also use your phone as a countdown timer, world clock, and calculator.

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

Planner *(Menu 9.1)*

Use this menu to keep track of your schedule, make your task list. You can also use your phone as a countdown timer.

Today *(Menu 9.1.1)*

Use this menu to access Planner items stored for the current day.

Press [Left] or [Right] to display your schedule item list, task list, or countdown timers.

For further details about storing items, see the **Schedule**, **Task**, or **Count** menu.

Scheduler *(Menu 9.1.2)*

Use this menu to manage your monthly, weekly, or daily schedule.

When you enter the **Scheduler** menu, the calendar in Month view appears with today's date indicated by a blue box.

Selecting a day

- Press [Left] or [Right] to move by day.
- Press [Up] or [Down] to move by week.
- Press [▲/▼] to move by month.

Using calendar options

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

- **Add new**: add a new Planner item.
- **View type**: change the view mode of the calendar.
- **Jump to date**: enter the specific date you want to access.
- **Assign**: set the current calendar to be displayed in Idle mode.
- **Erase All**: delete all items on the calendar.

Creating an item

1. Select a date on the calendar.
2. Select **Add new**.
3. Enter the item information and press <**Done**>.
4. Press [Left] or [Right] to select the item type and press [Down].
5. Press [Left] or [Right] to set how long before the item the alarm is to alert you and press [Down].
6. Press [Left] or [Right] to select a repeat option and press [Down].
7. Select the Melody line and select an alarm tone and press [Down].
8. Enter the starting date and time for the item and press [Down].
9. Enter the ending date and time for the item and press [Down].
10. Select a phone number to be displayed when the alarm alerts you to the item.
11. Press <**Done**> to save the item.

Viewing an item

Once you have scheduled items, the following icons and the number of items for a specific day appear at the bottom of the calendar.

- Personal
- Business
- Anniversary
- Event
- Vacation

1. Select a date on the calendar to display the items for the day.
2. Select an item to view its details.

Using item options

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

- **Add new**: add a new item.
- **Erase**: delete the selected item.

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

- **Jump to date**: enter the specific date you want to access.
- **Assign**: set the Planner items for the current day to be displayed in Idle mode.
- **Erase**: delete the selected item.
- **Erase All**: delete all items on the calendar.

Task List *(Menu 9.1.3)*

Use this menu to create a list of tasks that need to be done.

Creating a new task

1. Enter the task information. If there is any task already stored, press <**Add New**>.
2. Press <**Done**>.
3. Select a priority and press [Down].

4. Enter a due time and press [Down].
5. Enter the due date.
6. Press <**Done**> to save the task.

Viewing a task

From the task list, select the task you want.

Using task options

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

- **Add new**: add a new item.
- **Erase**: delete the selected item.

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

- **Add new**: add a new task.
- **Set state**: change the task status.
- **Forward**: set the task forward.
- **In Process**: set the task in the process.
- **Completed**: set the task completed.
- **Assign**: set the task to be displayed in Idle mode.
- **Erase**: erase the selected task.
- **Erase All**: delete all of the completed tasks or all tasks from the list.

Countdown *(Menu 9.1.4)*

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

Creating a countdown timer

1. Enter the details for the countdown timer. If there is already an existing timer, press <**Add New**>.
2. Enter text and Press <**Done**>.

3. Enter the time to/from which you want to count down.
4. Press [Down].
5. Enter the date to/from which you want to count down.
6. Press <**Done**> to save the timer.

Using timer options

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

- **Add new**: add a new timer.
- **Erase**: delete the selected timer.

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

- **Assign**: set the timer to be displayed in Idle mode.
- **Erase**: delete the selected timer.
- **Erase All**: delete all timers.

Memo Pad *(Menu 9.2)*

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

Creating a new memo

1. Enter a memo. If there is any memo already stored, press <**Add New**>.
2. Press [**MENU OK**] to save the memo.

Viewing a memo

From the memo list, select a memo.

Using memo options

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

- **Skin**: change the background image for the memo text. Press [Left] or [Right] to select an image and press <**Assign**>.
- **Add new**: add a new memo.

- **Erase**: delete the selected memo.

  While viewing the memo list, press <**Options**> to access the following options:
- **Erase**: delete the selected memo.
- **Erase All**: delete all memos.

World Time *(Menu 9.3)*

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

Viewing a world time

From the world map, press [Left] or [Right] to scroll to the city you want. As the time line moves, the time and date of the given zone display.

Applying daylight savings time

From the world map, press <**DST**> and select **On**.

Alarm *(Menu 9.4)*

Use this menu to set alarms to sound at specific times.

Setting an alarm

1. Select an alarm.
2. Set each alarm option:
   - **Alarms**: activate the alarm.
   - **Time**: enter the time for the alarm to ring.
   - **Alarm**: select an alarm tone.
   - **Repeat**: select a repeat option.
   - **Snooze**: select the snooze interval.
3. Press <**Done**>.

Stopping an alarm

- Press any key.
- Press <**Snooze**> to stop the alarm and cause it to sound again after the length of time specified in **Snooze** has elapsed. 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 **Alarms** line.
3. Press <**Done**>.

Calculator *(Menu 9.5)*

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

1. Enter the first number.
   - Press [*] or the left soft key to insert a decimal point.
   - Press [#] to change the number to a negative sign (**-**) or positive sign (**+**).
2. Press one of the Navigation keys to access the math function you want.
3. Enter the second number.
4. Press [**MENU OK**] to view the result.
5. If necessary, repeat from step 2 to continue the calculation.

User Memory *(Menu 9.6)*

Use this menu to connect your phone to a PC and copy media files from/to a PC, as you would use an external memory disk.

Connect PC *(Menu 9.6.1)*

Use this menu to connect your phone to a PC.

1. Connect a PC data cable to the jack at the bottom of the phone and the USB port of the PC.
2. Access the **Connect to PC** menu.
3. Enter the phone password and press <**OK**>.

> ☑ When you use the phone for the first time, or reset it, you need to set up a 4- to 8-digit password.

Your phone switches to Memory Disk mode and the removable disk window automatically opens on the PC.

If not, open **My computer** on your Windows desktop and double-click the corresponding removable disk to open the phone's file directory.

4. Select **Open folder to view files** from the removable disk window.
5. Copy files from the phone to the PC, or vice versa.
6. Press <**Exit**> to exit Memory Disk mode.
7. Press <**Yes**> to confirm the exiting.

- When the phone is in Memory Disk mode, all calls, messages, and alarm sets are blocked.
- Use the Safely Remove Hardware programme from the Windows task bar for removing the USB cable from the PC; otherwise, the files may be corrupted and, thus, may not be played properly.

File Manager *(Menu 9.6.2)*

Use this menu to manage files stored on the phone's memory. You can access the folders of your phone's memory and manage media files.

While accessing a file in each folder, press <**Options**> to access the following options:

- **Erase**: erase the file.
- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Rename**: change the file name.

Do not use special characters for a file name, such as /, :, *, ?, ", <, >, or \.

- **Create folder**: add a new folder.
- **List view**: change the view mode to List view.
- **File Info**: access the file properties.
- **Set to ringer**: set the MP3 file as a ringtone for incoming calls, alarm sets, or scheduler alarms.

- **Assign**: set an image as a caller ID image for a Contacts entry or an incoming call, or set an image or video clip as wallpaper for the idle screen.
- **Lock**/**Unlock**: lock the file so that other people cannot access it without your password, or unlock the file.

Memory Info *(Menu 9.6.3)*

Use this menu to check the amount of memory currently in use in each media folder.

Format *(Menu 9.6.4)*

Use this menu to format the phone's memory. Created folders and saved files in each folder will be erased.

File Viewer *(Menu 9.6.5)*

Use this menu to view various document files and image files stored in the **Others** folder in the phone's memory.

The following file formats are available:

- Documents: Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Adobe PDF, Plain text, HTML
- Images: BMP, GIF, JPEG, PNG, WMF, EMF

Viewing a file

1. Select a location from which you want to read files:
   - **Removable disk**: view the various files imported from your PC.
   - **Downloaded**: view the various files downloaded from the wireless web.

2. Select the file you want.

While viewing the document or image, use the following keys:

Key	Function
Left/ Right/ Up/Down	Pans around the page.
▲/▼	Zooms in or out.
MENU OK	Rotates the page.
1	Returns to the previous page.
2	Rotates the page.
3	Moves to the next page. Moves to the last page when held down.
4	Fits the page to the screen width.
5	Fits the page to the screen height.
6	Displays or hides a map of the current page.

Using file options

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

- **Erase**: erase the selected file.
- **Rename**: change the file name.

  ☑ Do not use special characters for a file name, such as /, :, *, ?, ", <, >, or \.

- **File info**: access the file properties.
- **Help**: view key information you can use.

Set Time *(Menu 9.7)*

You can set the current time and date.

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

While in a service area, you are not allowed to change the time and date setting since the phone receives time information from the network. If your phone do not receive time information from the network when you turn it on, you can use this menu.

Pictures *(Menu *)*

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

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

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

Take photo *(Menu *.1)*

Use this menu to take a photo in various modes or record a video. The camera produces JPEG photos and MP4 video clips.

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

Taking a photo

1. Access the **Take photo** menu or press and hold [ ] in Idle mode.
2. When you use the camera for the first time, press [**2**] to change the preview screen.
3. Press [**1**] to select the camera mode until the mode icon you want appears:
   - Single ( ): take a photo.
   - Serial ( ): take a serial of action stills.
   - Divided ( ): take several stills and save them in one frame.
   - Video ( ): record a video clip. ▶ p. 66
   - Mail ( ): take a photo for adding to an e-mail. After taking a photo, press <**Send**> to send the photo as part of an e-mail. ▶ p. 46
4. Make any desired adjustments.
   - Press the left soft key or <**Options**> to access camera options. ▶ p. 65
   - Use the keypad to change the camera settings or switch to other camera modes. ▶ p. 66
5. Press <**Capture**> or [ ] to take a photo.

   When you are taking serial shot images, the camera takes photos successively.
6.

To	Press
rotate the image	[**MENU OK**].
view one of the series shot photos	<**Expand**>.
save the photo	<**Save**>. The photo is saved in the **My Album** folder.
return to Capture mode	<**Cancel**> or [**BACK**].

Reviewing a photo immediately after saving

After saving a photo, you can view the photo in Quick view mode by pressing [**0**] in Capture mode. The captured image displays on the screen.

- To access the file properties, press <**Options**> and select **Info**.
- To delete the file, press <**Options**> and select **Delete**.
- To return to Capture mode, press [**0**] or [**BACK**].

Using camera options in Capture mode

In Capture mode, press the left soft key or <**Options**> to access the following options:

- **Mode**: use the following camera modes:

  Single shot: take a photo in normal mode.

  Series shot: take series of action stills. You can select the number of photos the camera will take.

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

  Video cam: record a video clip.
- **Size/Quality**: select an image size or image quality.
- **White balance**: adjust the colour balance of the photo. You can make your photo appear warmer or cooler.
- **Self timer**: set a time delay before the camera takes a photo.
- **Revision**: apply a special effect or decorative frame.
- **Preview layout**: select the default preview mode. When you select **Actual ratio**, the phone shows the image in actual ratio.
- **Quick view**: switch to Quick view mode.

Using the keypad in Capture mode

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

Key	Function
Left/ Right	Zooms in or out. (Not available for the maximum resolution)
Up/ Down	Adjusts the brightness.
▼	Shows the mirror image.
1	Changes the camera mode.
2	Switches the display between No icon view (), Icons view (), Guideline view (), and Actual ratio view ().
3	Sets the timer.
0	Accesses Quick view mode.

Recording a video

1. In Capture mode, press [**1**] to select the icon.
2. Make any desired adjustments.
   - Press the left soft key or <**Options**> to access camera options. ▶ p. 67
   - Use the keypad to change the camera settings or switch to other camera modes. ▶ p. 68
3. Press < ● > to start recording.
   Press < ▮▮ > to pause recording and then press < ● > to resume.
4. When you are finished, press < ■ >.
5.

To	Press
review the video clip	[**MENU OK**].

5.

To	Press
save the video clip	<**Save**>. The video is saved in the **My Album** folder.
return to Camcorder mode	<**Cancel**> or [**BACK**].

Reviewing a video immediately after saving

After saving a video clip, you can play the video clip in Quick view mode by pressing [**0**] in Camcorder mode. Pressing <▶> initiates playing of the video clip.

- To access file properties, press <**Options**> and select **Info**.
- To delete the file, press <**Options**> and select **Delete**.
- To return to Camcorder mode, press [**0**] or [**BACK**].

Using camera options in Camcorder mode

In Camcorder mode, press the left soft key or <**Options**> to access the following options:

- **Mode**: use the following camera modes:

  Single shot: take a photo in normal mode.

  Series shot: take series of action stills. You can select the number of photos the camera will take.

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

  Video cam: record a video clip.
- **Size/Quality**: select a frame size or image quality.
- **White balance**: adjust the colour balance of the video. You can make your video appear warmer or cooler.
- **Self timer**: set a time delay before the camera records a video.

- **Revision**: apply a special effect.
- **Voice Rec**: turn on or off the audio.
- **Preview layout**: select the default preview mode. When you select **Actual ratio**, the phone shows the image in actual ratio.
- **Quick view**: switch to Quick view mode.

Using the keypad in Camcorder mode

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

Key	Function
Left/ Right	Zooms in or out.
Up/ Down	Adjusts the brightness.
▼	Shows the mirror image.
1	Changes the camera mode.
2	Switches the display between No icon view (), Icons view (), Guideline view (), and Actual ratio view ().
3	Sets the timer.
0	Accesses Quick view mode.

My Album *(Menu *.2)*

Use this menu to review the photos you have taken and the video clips you have recorded.

☑ Photos captured on other devices, such as digital cameras, may not display correctly.

Viewing a photo

1. Select **Gallery**.
2. Scroll to the photo you want and press <**Expand**>.

3. Press [Left] or [Right] to view other photos.
4. Press <**Multi**> to return to the thumbnail list.
   Press <**Enlarge**> to view the photo on a full screen.

Creating a new folder

1. On the My album screen, press <**Create**>.
2. Enter a name for the folder and press <**Save**>.

Using photo options

From the thumbnail list, scroll to a photo and press <**Options**> to access the following options:

- **Print**: print the photo by connecting the phone to a printer via USB. Some printers may not be compatible with the phone.
- **Send**: send the file as part of an e-mail.
- **Assign**: set the image as your wallpaper for the idle screen, the opening or closing image, or the caller ID image for a Contacts entry.
- **Erase**: erase the file.
- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Photo studio**: access the **Photo studio** menu. ▶ p. 71
- **Rename**: change the file name.

  ☑ Do not use special characters for a file name, such as /, :, *, ?, ”, <, >, or \.

- **Lock**/**Unlock**: lock the file so that other people cannot access it without your password, or unlock the file.
- **Grid(4)**/**Grid(9)**: view 4 photos or 9 photos on each screen.
- **Sort**: change the sort order of the file list.
- **File Info**: access the file properties.

Playing a video clip

1. Select **Gallery**.
2. Scroll to the video clip ( ) you want and press <**Play**>.

> Even if the phone is in Silent mode, it will play the sound.

During playback, use the following keys:

Key	Function
MENU OK	Pauses or resumes playback.
Left	Moves back to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Moves forward in a file when held down.
Up	Changes the repeat mode.
Down	Returns to the thumbnail list.
▲/▼	Adjusts the volume.
STOP	Stops playback and opens the video clip list.

Using video options

From the thumbnail list, scroll to a video clip and press <**Options**> to access the following options:

- **Set wallpaper**: set the video clip as your wallpaper for the idle screen.
- **Send**: send the file as part of an e-mail.
- **Erase**: erase the file.
- **Move**: move the file to another folder.

- **Copy**: copy the file to another folder.
- **Rename**: change the file name.

  ☑ Do not use special characters for a file name, such as /, :, *, ?, ", <, >, or \.

- **Lock**/**Unlock**: lock the file so that other people cannot access it without your password, or unlock the file.
- **Grid(4)**/**Grid(9)**: view 4 photos or 9 photos on each screen.
- **Sort**: change the sort order of the file list.
- **File Info**: access the file properties.

Picture Msg *(Menu *.3)*

Use this menu to access multimedia messages you have received, sent, or saved. ▶ p. 46

Photo Studio *(Menu *.4)*

Photo studio is a great tool for managing photos. Use this menu to edit photos by applying special effects or adding comments.

Wizard Effect *(Menu *.4.1)*

You can apply a special effect to a photo.

1. Select a photo.
2. Press [Left] or [Right] to select an effect.

   You can compare the photo with the original one by pressing <**Compare**>.
3. Press <**Save**>.
4. Enter a name for the photo and press <**Save**>.

Basic Effect *(Menu *.4.2)*

You can change the colour tone of a photo.

1. Select a photo.
2. Press [Left] or [Right] to select a colour tone.
   You can compare the photo with the original one by pressing <**Compare**>.
3. Press <**Save**>.
4. Enter a name for the photo and press <**Save**>.

Decoration *(Menu *.4.3)*

You can add a decorative frame, clip, or photo cut-out to a photo. You can also add text to the photo.

1. Select a photo.
2. Press <**Options**> to access one of the following editing options:
   - **Fun frame**: select a decorative frame using [Left] or [Right].
   - **Clip**: select an image. You can move it to the position you want by pressing the Navigation keys.
   - **Photo sticker**: select a photo cut-out. ▶ Photo sticker
   - **Text**: enter text. After entering text, you can change the font size and colour, and the brightness of the font colour. You can move text to the position you want by pressing the Navigation keys.
3. After adding decorations, press <**Save**>.
4. Enter a name for the photo and press <**Save**>.

Photo Sticker *(Menu *.4.4)*

You can make a photo cut-out using a photo.

1. Select a photo.
2. Scroll to a photo cut-out type using [Left] or [Right] and press <**Select**>.
3. Press [Left] or [Right] to adjust the photo cut-out size and press <**Next**>.
4. Move the photo cut-out to the position you want using the Navigation keys and press <**Save**>.
   The part of the photo is saved as a photo cut-out.

Video Capture *(Menu *.4.5)*

You can save a single video clip frame as a photo.

1. Select a video clip.
2. When the part of the video clip you want to capture appears, press <**Capture**>.
   The video clip frame displays.
3. Press <**Save**>.
4. Enter a name for the video clip frame and press <**Save**>.

Composition *(Menu *.4.6)*

You can make a new image by combining two photos.

1. When the **Main** field highlights, press <**Import**>.
2. Select a photo.
   The photo is inserted into the **Main** field.
3. When the **BG** field highlights, press <**Import**>.
4. Select a photo.

5. Press <**Next**>.
6. Press [Left] or [Right] to adjust the image brightness and press <**Save**>.
7. Enter a name for the photo and press <**Save**>.

Revision *(Menu *.4.7)*

You can change the image properties of a photo, such as the sharpness, brightness, saturation, or blur.

1. Select a photo.
2. Press <**Options**> to access the following options:
   - **Sharpness**: adjust the image sharpness.
   - **Brightness**: adjust the image brightness.
   - **Saturation**: adjust the degree of the grey of the image colour.
   - **Blur**: adjust the clarity of the image.
3. After changing the properties, press <**OK**>. You can compare the photo with the original one by pressing <**Compare**>.
4. Press <**Save**>.
5. Enter a name for the photo and press <**Save**>.

Resize *(Menu *.4.8)*

You can change the size of a photo. To resize, the original photo must be at least 320*240.

1. Select a photo.
2. Press <**Change**> and select the size you want.
3. Press <**Save**>.
4. Enter a name of the photo and press <**Save**>.

Flip *(Menu *.4.9)*

You can change the orientation of a photo.

1. Select a photo.
2. Select a direction icon by pressing [Left] or [Right].
3. Select an orientation for the photo using [Up] or [Down].
4. Press <**Save**>.
5. Enter a name for the photo and press <**Save**>.

Text Composition *(Menu *.4.0)*

You can extract text from a photo and add it to another photo.

☑ It may not be possible to extract text from a non-mono colour background photo.

1. When the **Main** field highlights, press <**Import**>.
2. Select a photo.
   The photo is inserted into the **Main** field.
3. When the **Char** field highlights, press <**Import**>.
4. Select a photo.
5. Press <**Next**>.
6. Press <**Save**>.
7. Enter a name for the photo and press <**Save**>.

Settings *(Menu *.5)*

Use this menu to change the default camera settings.

- **Photo Sound**: select a sound to indicate a shutter release sound and a self timer sound.

- **Interruption**: set whether to accept calls, messages, or alarm alerts while in Capture mode or Camcorder mode.
- **Reset**: restore the default settings for the camera.
- **Auto Saving**: turn the auto saving feature on or off.
- **Album Lock**: lock the photos so that no one can view your photos and video clips without your permission.

Contacts *(Menu 0)*

You can store phone numbers with associated names in your phone's memory called Contacts to make it easy for you to make a call without having to remember the phone number.

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

Find *(Menu 0.1)*

Use this menu to search for numbers in Contacts.

Finding an entry

1. Enter the first few letters of the name that you want to find.
2. Select the name from the list.
3. Scroll to a number and press [**TALK**] to dial.

Using Contacts options

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

- **Mail**: send an e-mail to the selected number.
- **E-mail**: send an e-mail to the selected e-mail address.

- **Talk**: dial the number.
- **Set main #**: set the number as the default number for the contact.
- **Release main #**: cancel the default number setting.
- **Edit**: edit the selected contact.
- **Copy**: copy the number to another memory location.
- **Move**: move the number to another memory location.
- **Speed dial**: assign a speed dial number to the selected number.
- **Erase**: erase the contact. If you select a number, only the number is erased.
- **To name card**: save the contact as a name card format.

Add New Entry *(Menu 0.2)*

Use this menu to add a new contact to Contacts.

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

1. Change the settings or enter information about the contact.

- **Add Photo**: assign one of the photos you have taken using the camera or one of the default icons as a caller ID image.
- **Name**: assign a name.
- **Phone number**: enter a number and select a number type.
- **Email**: assign an e-mail address.
- **URL**: enter a homepage address.
- **Nickname**: assign a nickname.

- **Memo**: add a memo about the person.
- **Group**: assign the contact to a caller group.
- **Ring**: assign a ringtone to alert you to a call from the person.
- **Photo**: assign an image to alert you to a call from the person.

2. Press <**Done**> to save the contact.

My Phone # *(Menu 0.3)*

Use this menu to check your phone number.

Speed Dial #s *(Menu 0.4)*

Once you have stored phone numbers in Contacts, you can set up to 99 speed-dial entries and then dial them easily by pressing the associated one or two number keys.

Assigning speed dial numbers

1. Enter a key location number you want or select an empty location from the list. Key **1** is reserved for your voicemail server.
2. Press <**Assign**>.
3. Enter the first few letters of the name you want.
4. Scroll to an entry.
5. Press [Left] or [Right] to select a number, if the contact has more than one number.
6. Press <**OK**>.

Managing speed dial entries

From the Speed dial list, scroll to an entry and press <**Options**> to access the following options:

- **Erase**: clear the selected speed dial setting for a key.

- **Erase All**: clear all speed dial settings.

Dialling speed dial entries

- For 1-digit locations, press and hold the corresponding number key in Idle mode.
- For other locations, press the first number key and press and hold the last number key in Idle mode.

Group *(Menu 0.5)*

Use this menu to organise your contacts in caller groups.

Adding members to a caller group

1. Select a group.
2. Press <**Options**> and select **Add new**.
3. Scroll to the contact you want and press [**MENU OK**] and then <**Done**>.

Managing caller groups

While viewing the group list, press <**Menu**> to access the following options:

- **Rename group**: change the group name.
- **Erase group**: delete the selected group. Group members, however, will not be deleted from Contacts.
- **Set Ringer**: assign a ringtone to alert you to a call from the group members.
- **Add member**: add members to the selected group.

Settings *(Menu #)*

The **Settings** menu provides you with various setting options to customise the phone to your preferences and needs. You can also reset the settings to their default status.

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

Display *(Menu #.1)*

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

Screen Saver *(Menu #.1.1)*

You can set up the idle screen on both displays.

- **Main LCD**: select an image or video clip to be displayed on the main display.
- **Sub LCD**: select an image to be displayed on the external display.

Set Foreground *(Menu #.1.2)*

Use this menu to set the phone to display a function screen in Idle mode.

- **Digital Clock**: display the current date and time with a digital clock. You can change the item placement by pressing [Left] or [Right].
- **Calendar**: display a calendar.
- **Others**: display your schedule items for the current date or on the calendar, task list, none, countdown timer, or speed dial screen.

Incoming Call *(Menu #.1.3)*

Use this menu to select an image to be displayed on the screen when you have incoming calls. Using the selected image, you can distinguish calls from a person in your Contacts or from a person who is not saved in you Contacts.

Dialing font *(Menu #.1.4)*

Use this menu to select a font colour and size for the numbers entered while dialling.

Greeting *(Menu #.1.5)*

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

Backlight *(Menu #.1.6)*

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

- **Main Display**: select the length of time the main display backlight stays on.
- **Keypad**: select the length of time the keypad backlight stays on.
- **Pwr Save Mode**: set whether or not the phone switches to Save mode when not use.
- **Brightness**: adjust the brightness of the main display for varying lighting conditions.

Text Entry *(Menu #.1.7)*

Use this menu to set the phone to anticipate the word you are entering in T9 text input mode and display the alternative word list.

Auto Timezone *(Menu #.1.8)*

Use this menu to activate the auto time update feature. Your phone will read the MCC (Mobile Country Code) from the network and automatically update the current time for the country that you are in when you travel abroad.

☑ Time information may not be updated when you move to one time zone to another within a country.

Sounds *(Menu #.2)*

Ringer *(Menu #.2.1)*

Use this menu to select a ringtone for incoming calls, message alert, scheduler alarm, or roaming alert.

Volume *(Menu #.2.2)*

Use this menu to select a ringer volume for incoming calls, message alert, alarms, or application alerts. You can also set the phone to vibrate the sound effect while playing a game.

- **Use Ringer volume**: select this option to use a volume used in **Ringer**.
- **Separate volume**: select this option to change a ringer volume:

  Ringer Off: the phone does not ring.

  1 Beep: the phone sounds a beep.

  Level 1~8: select a volume for the call ringer. The more bars, the louder the volume.
- **Always Vibrate**: select this option to set the phone to vibrate.

Alerts *(Menu #.2.3)*

Use this menu to have the phone alert (beep) you to inform you that certain things have happened.

- **Minute Beep**: set the phone to beep every minute during a call to keep you informed of the length of your call.
- **Service**: set the phone to beep when you exit a service area or return to a service area.
- **Connect**: set the phone to beep when an outgoing call is connected to the system.

- **Sig.Fade Tone**: set the phone to beep when a dropped call occurs during conversation in response to fading signal strength.
- **Power on/off**: set the phone to beep when you turn it on or off.
- **Simple Smart Ringtone Mode on/off**:

Key Tone *(Menu #.2.4)*

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

- **Tone Type**: select the keypad tone type.
- **Tone Level**: select the volume level of the keypad tone.
- **Tone Length**: set short or long DTMF (dual-tone multi-frequency) tones to be sent to access teleservices, such as a bank account. If the service is digital, as most are, short DTMF tones will almost always work.

Internet *(Menu #.3)*

You can enable Internet service, or activate Net guard feature.

Net Guard *(Menu #.3.1)*

Use this menu to alert you each time the phone connects to the wireless web. This helps you avoid connecting accidentally to the web.

Security *(Menu #.4)*

Use this menu to protect the phone against unauthorised use.

To access the **Security** menu, you must enter the phone password. The password is preset to the last 4-digit of your phone number.

Lock Phone *(Menu #.4.1)*

Use this menu to lock your phone.

- **Unlocked**: deactivate Lock mode.

- **On Power-Up**: lock the phone. Each time turning on the phone, you need to enter the lock code to use the phone.
- **Lock Now**: lock the phone just one time. Once the lock code is entered, the phone unlocks.

In Lock mode, you can only make calls to numbers on your Special #'s list or emergency calls. All other calls, or use of the phone's menu functions are prohibited.

Lock Pic/Video *(Menu #.4.2)*

Use this menu to lock access to the photos and video clips in the **My Albums** menu.

Change Lock *(Menu #.4.3)*

Use this menu to change your phone password.

Special # *(Menu #.4.4)*

Use this menu to set up the list of phone numbers to which you can make calls when outgoing calls are restricted to the Special # list or in Lock mode.

Erase Contacts *(Menu #.4.5)*

Use this menu to delete all entries in Contacts.

Erase My Content *(Menu #.4.6)*

Use this menu to delete all files and applications in the **My Content** menu.

Erase Pic/Video (Menu #.4.7)

Use this menu to delete all photos and video clips in the **My Albums** menu.

Reset Phone *(Menu #.4.8)*

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

1. Select **Yes**.
2. Select **Yes** again. The phone automatically turns itself off and then back on.

Card slot setup *(Menu #.4.9)*

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

- **PIN check**: activate the PIN check feature. You must enter the PIN assigned to your card each time you switch on the phone.
- **Change PIN**: change the PIN of your card to a new one, provided that the PIN check feature is enabled.
- **FDN mode**: activate FDN (Fixed Dialling Number) mode, in which you can dial only the numbers stored on the card.
- **Change PIN2**: change the PIN2 of your card to a new one.

Launch Pad *(Menu #.5)*

You can use the Navigation keys as shortcuts to access specific menus directly from Idle mode. Use this menu to assign a shortcut to a key.

1. Select a key to be used as a shortcut key.
2. Select the menu to be assigned to the key.

Network Selection *(Menu #.6)*

This network service allows you to either automatically or manually select the network used when roaming outside of your home area. You can select a network other than your home network only if there is a valid roaming agreement between the two.

Others *(Menu #.7)*

You can customise various phone settings.

Call Setup *(Menu #.7.1)*

Use this menu to set up the call options.

- **CDMA Network Services**:
- **GSM Network Services**:
- **Restriction**: the phone restricts all outgoing calls.
- **Answer Mode**: set how to answer incoming calls.
- **Auto Answer**: set the phone to automatically answer calls after a specified time when you use the headset or an optional hands-free car kit.

Airplane Mode *(Menu #.7.2)*

Use this menu to switch the phone to Airplane mode, in which the phone functions requiring network connections are deactivated. You can use non-wireless functions, such as, scheduler, games, contacts, and voice recorder on an airplane during flight.

If you select **On Power Up**, the phone will switch to Airplane mode each time you turn it on.

Key Guard *(Menu #.7.3)*

You can prevent accidental key pressing by using Key Guard mode.

To activate the Key Guard feature, select the period of time your phone waits for before locking the keypad.

When you have an incoming call or the time for an alarm comes in Key Guard mode, the mode is automatically deactivated and the phone goes to Idle mode. It will be automatically activated after the specified amount of time when you end the call or stop the alarm.

Once Key Guard mode is activated, you can temporarily unlock your keypad by pressing [▲/▼] and pressing and holding [📷].

Audio Routing *(Menu #.7.4)*

Use this menu to change the sound output. If you select **Headset Only**, you need to plug the headset into your headset jack to make or receive calls.

TTY Mode *(Menu #.7.5)*

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hearing impaired, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with TTY devices. Please check with the manufacturer of your TTY device to ensure that it supports digital wireless transmission. Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

> ☑ If TTY mode is enabled, the audio quality of non-TTY devices connected to the headset jack may be impaired.

The following options are available:

- **TTY Full**: you can type what you want to say and receive printed messages of what the person on the phone is saying.
- **TTY + TALK**: you can type what you want to say.
- **TTY + HEAR**: you can receive printed messages of what the person on the phone is saying.
- **TTY OFF**: deactivate TTY mode.

Phone Info *(Menu #.8)*

Use this menu to access your phone information.

- **Phone Number**: check your phone number.
- **Help**: view the icon information to be displayed on the screen when you use the phone.
- **Version**: view the software version on your phone.
- **Advanced**: access the advanced information of your phone.
- **Memory Status**: access memory information in your phone's memory or on a memory card.

Solve problems

Help and personal needs

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

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

"Please insert SIM card"

- Be sure that the SIM card is correctly installed.

"Phone lock"

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

"PIN lock"

- You are using your phone for the first time. You must enter the PIN supplied with the SIM card.
- The PIN locking 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, and the SIM card is now blocked. Enter the PUK supplied by your service provider.

"No service" or "Network unavailable" 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 [**TALK**].
- 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. ([**END**] pressed for more than one second.)
- Be sure that you have accessed the right cellular network.
- Be sure that you have not set an incoming call barring option.

Your correspondent cannot hear you speaking

- Be sure that he microphone is switched on.
- 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 **Search contact** feature to ensure the number has been stored correctly.
- Re-store the number, if necessary.

The battery does not charge properly or the phone sometimes turns itself off

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

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

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

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

Health and safety information

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. The highest SAR values for this model phone as reported to the FCC are:

CDMA mode:
Head:0.912W/kg; Body-worn:0.325 W/kg
For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines whenused with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines. 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, A3LSCHW531. 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 you are driving a car, driving is your first responsibility. When using your wireless phone while driving, follow local regulations in the country or region you are in.

Operating environment

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

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

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

Electronic devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research. If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing aids

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

Other medical devices

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

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

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

Vehicles

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

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

Posted facilities

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

Potentially explosive environments

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

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

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

Emergency calls

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

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

To make an emergency call:

1. Switch on the phone.
2. Key in the emergency number for your present location. Emergency numbers vary by location.
3. Press [**TALK**].

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.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
- However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  -Reorient or relocate the receiving antenna.
  -Increase the separation between the equipment and receiver.
  -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  -Consult the dealer or an experienced radio/TV technician for help.

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 installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. Improperly installed wireless equipment could result in serious injury if the air bag inflates.

- Switch off your phone before boarding an aircraft. It is dangerous and illegal to use wireless phones in an aircraft because they can interfere with the operation of the aircraft.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and maintenance

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

- Keep your phone and all its parts and accessories out of the reach of small children and pets. They may accidentally damage these things or choke on small parts.
- Keep the phone dry. Precipitation, humidity, and liquids contain minerals that corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, stove, or radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes colour. 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. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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