

SGH-F310

Guide

Important safety precautions

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

Drive safely at all times

Do not use the 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.

Sensible use

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

Water resistance

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

Emergency calls

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

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 and Bang & Olufsen 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.

Use of authorised software

Use only Samsung-**authorised** software. The use of any **unauthorised** software could damage your phone.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 54.

This Guide provides you with information about how to use your phone.
In this guide, the following visual features appear:

- Note!** 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.
- BOLD** Indicates a key on the phone. For example, **SEND**.



Music player

Play music files on your phone. You can use other phone functions while listening to music.



Synchronisation with Windows Media Player

Transfer music files to your phone directly from the Windows Media Player.



Flight mode

Switch your phone to Flight mode to use its non-wireless functions while on an aeroplane.



Bluetooth

Transfer media files and personal data and connect to other devices using wireless Bluetooth technology.



Web browser

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



Email

Send and receive emails with image, video, and audio attachments.



Multimedia Message Service (MMS)

Send and receive multimedia messages with a combination of text, images, video, and audio.



Name card

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



Voice recorder

Record memos or sounds.



Organiser

Keep track of your daily, weekly, and monthly schedule.

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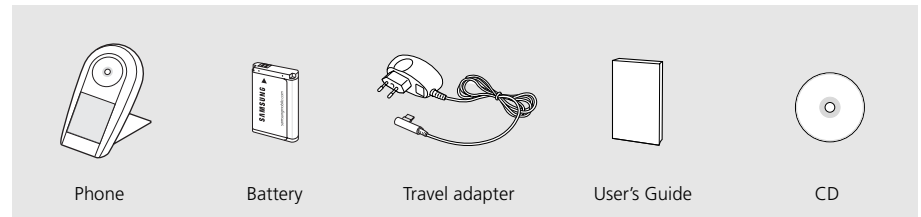
Get started

You can begin the phone with this section. This section describes how to install and charge the phone and use the keys, and shows the meaning of icons displayed on the display.

You can obtain various accessories from your local Samsung and Bang & Olufsen retailers.

Note! The items supplied with your phone and the accessories available at your Samsung and Bang & Olufsen retailers may vary, depending on your country or service provider.

Unpack



Assemble and charge the phone

- 1 Open the phone and pull out the stand.

Note! If the phone is already on, first switch it off by pressing and holding END.

- 2 Lift the battery cover away, as shown.

- 3 Insert the SIM card.

Note! Make sure that the gold-coloured contacts on the card face downwards.

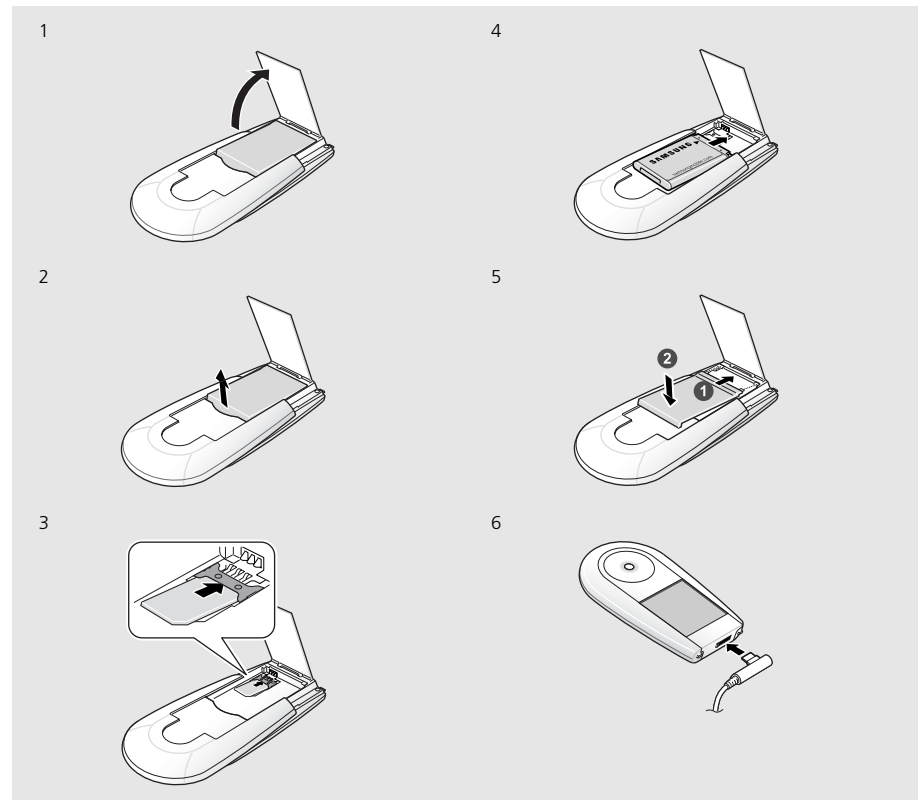
- 4 Install the battery.

- 5 Align the cover with the bottom of the phone and press the cover down, as shown

- 6 Plug the travel adapter into the phone.

- 7 Plug the adapter into a standard AC power outlet.

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



SIM card information

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

Low battery indicator

When the battery is low:

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

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

Your phone - and overview

Phone and keys

1 OK key (Centre of wheel)

- In Idle mode, access Menu mode.
- In Menu mode, select a highlighted menu option or confirm input.

- Switch on the display.

2 SEND key (Left green)

- Make or answer a call.
- In Idle mode, retrieve the numbers of recently dialled, missed, or received calls.

3 BACK key

- In Idle mode, press and hold to lock the keys.
- In Menu mode, return to the previous menu level.

4 Music player key

Tap to open Music player.

5 Display

6 Microphone

7 Headset/Adapter/PC data cable jack

8 Speaker

Your phone has a built-in stereo speaker which allows you to listen to music.

9 C key

Delete characters from the display.

10 END key (Right red)

- Press and hold to switch the phone on and off.
- End a call.
- In Menu mode, cancel input and return the phone to Idle mode.

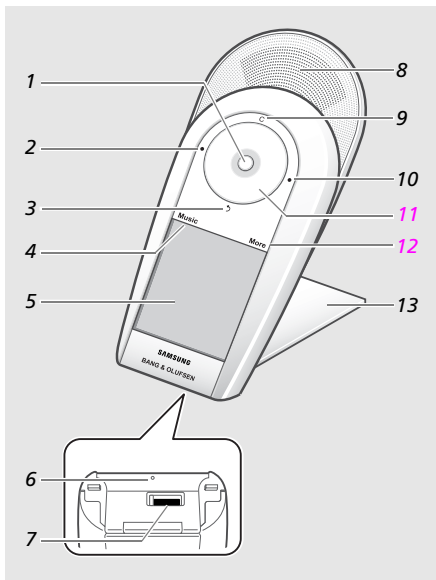
11 Wheel

- In Idle mode, move the wheel clockwise or counterclockwise to search for a Phonebook entry.
- In Menu mode, scroll through menu options.

12 More key

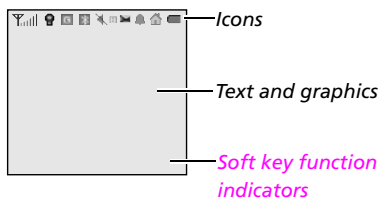
In Idle mode, tap to access the Quick menu list.

13 Phone stand



Display

Your phone's display has the following three areas:



- Icons display various icons.
- Text and graphics display messages, instructions, and information you enter.
- Soft key function indicators show the current functions assigned to the two soft keys.

Using the touch screen

Your phone has a sensitive touch screen. Using it, you can open the dialling screen, open Music player, access the Quick menu list, or access the menu shortcut screen.

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.

- Strength of the received signal
- Call in progress
- Outside your service area or Flight mode; you cannot make or receive calls
- Roaming network
- GPRS network
- 3G network
- Home zone, if you have subscribed to this service
- City zone, if you have subscribed to this service
- Call diverting feature active
- Bluetooth feature active
- Music playback in progress
- Bluetooth headset or hands-free car kit connected
- New text message
- New multimedia message
- New email
- New voicemail
- Alarm set
- Quiet mode
- Battery power level

Functions used daily

This section describes how to switch on the phone, make calls, and customise basic phone settings.

Switch on or off

To switch the phone on

- > Press and hold **END**.
- > If necessary, enter the **pincode** and press **OK**.
- > When you use the phone for the first time or reset it, the setup wizard starts. Customise your phone according to your preferences. ► p. 9

*Note! Do not **switch** on the phone where mobile phone use is prohibited.*

To switch the phone off

- > Press and hold **END**.

Make or answer calls

To make a call

- > In Idle mode, tap the centre of the display to open the dialling screen.
- > Enter an area code and phone number.
- > Press **SEND**.
- > To end the call, press **END**.

To answer a call

- > When the phone rings, press **SEND**.
- > To end the call, press **END**.

To adjust the volume during a call

Move the wheel clockwise or counterclockwise.

Access menu options

- > Press **OK** to access Menu mode.
- > Move the wheel clockwise or counterclockwise to scroll through menus.
- > Press **OK** to confirm a selection.
- > To exit, either:
 - Press **C** to move up one level.
 - Press **END** to return to Idle mode.

Customise your phone

Setup wizard

When you **switch** on the phone for the first time, or **reset it**, the phone guides you to set up your phone. **When you want to set up the phone, use the setup wizard.**

- > In Idle mode, press **More** and select **Welcome sequence**.
- > Select a language and press **OK**.
- > Press **OK** to continue customising your phone.
- > Follow the onscreen instructions.

Display language

You can change the language to be used for the display text.

- > In Idle mode, press **OK** and select **Settings** → **Phone settings** → **Language**.
- > Select a language.

Ringtone setting for a call ringer

You can change the ringtone for a call ringer.

- > In Idle mode, press **OK** and select **Settings** → **Sound settings** → **Ringtone**.
- > Select a ringtone.

Display item

You can select your display item for the idle screen.

- > In Idle mode, press **OK** and select **Settings** → **Display settings** → **Idle display**.
- > Select a display item.

Key lock

You can lock the keys to prevent them from being pressed accidentally.

To lock the keys, in Idle mode, press and hold **BACK**. To unlock, press **OK** and select **Yes**.

Voicemails

You can access the voicemail server and listen to the messages.

In Idle mode, press **More** and select **Voice mail**. You are connected to the voicemail server.

Silent mode

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

In Idle mode, **press an hold C**, or press **More** and select **Silent mode**.

Flight mode

You can switch the phone to Flight mode, in which the phone functions requiring network connection are deactivated.

In Idle mode, press **More** and select **Flight mode**.

Menu shortcuts

You can set menu shortcuts to be accessed from Idle mode.

- > In Idle mode, press **More** and select **Shortcuts**.
- > Select an item.
- > Select a menu.

To access a shortcut menu, tap the bottom of the display and select a menu.

Phone lock

You can protect the phone against unauthorised use with a phone password. The phone will require the password when **switched** on.

- > In Idle mode, press **OK** and select **Settings** → **Security** → **Change password**.
- > Enter the default password, **00000000**, and **select Done**.
- > Enter a new 4- to 8-digit password and **select Done**.
- > Enter the new password again and **select Done**.
- > Select **Phone lock**.
- > Select **Enable**.
- > Enter the password and **select Done**.

Step outside the phone

This section allows you to surf quickly your phone using Music player, the web, Phonebook, and other special features.

Play music

You can play music using the Music player.

Download music files to the phone

- Download from the web browser. ► p. 32
- Download from a computer using the optional Samsung PC Studio. See [Samsung PC studio User's Guide](#).
- Receive via Bluetooth. ► p. 48
- Synchronise with Windows Media player. ► p. 22

Play music files

- > Press **Music** to [open Music player](#).
- > Select a playlist [and then](#) a music file. The Music player opens and [plays the first file on the list](#).
- > Use the following keys during playback:
 - **SEND**: pause or resume playback.
 - **OK**: open the playlist.
 - **Wheel**: adjust the volume.
- > Tap the left or right arrow on the screen to move to the next or previous file.
- > Press **END** to [stop playback and close the player](#).

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 **OK** and select **Browser** → **Home**. The homepage of your service provider opens.

Navigate the web

- To scroll through browser items, move the wheel clockwise or counterclockwise.
- To select a browser item, press **OK** and select **Select**.
- To return to the previous page, press **BACK**.
- To access browser options, press **More**.

Use the Phonebook

You can save several phone numbers, emails, and addresses in the Phonebook. Using the contact information, you can call them or send messages anytime.

Add a contact

- > In Idle mode, tap the centre of the display to open the dialling screen.
- > Enter a phone number.
- > Press **More** and select **Add to new contact** → **Phone** or **SIM**.
- > For **Phone**, select a number type.
- > Specify contact information.
- > Press **More** and select **Save**, or press **More** to save the contact.

Find a contact

- > In Idle mode, turn the wheel clockwise or counterclockwise to access the Phonebook.
- > Select the first character of the name you want to find.
- > Scroll to the **contact**.
- > Press **SEND** to dial. If the name has more than one number, **select a number**.

Create and send your name card

- > In Idle mode, press **OK** and select **Phonebook** → **My business card**.
- > Specify your contact information.
- > Press **More** and select **Save business card** to save the name card.
- > To send the name card, access **My business card** again. Press **More** and select **Send business card via** → a sending method.

Send messages

You can send text, multimedia, and email messages.

Send a text message (SMS)

- > In Idle mode, press **OK** and select **Messages** → **Create message** → **Text message**.
- > Enter the message text.
- > Press **OK** and select **Send message**.
- > **Add a destination number by selecting a contact from the Phonebook or entering a phone number.**
- > Press **More** and select **Send** to send the message.

Send a multimedia message (MMS)

- > In Idle mode, press **OK** and select **Messages** → **Create message** → **Multimedia message**.
- > Select **Subject**.
- > Enter the message subject.
- > Press **More** and select **Done** to save the subject.
- > Select **Image** or **video** and add an image or a video clip.
- > Select **Sound** and add a sound clip.
- > Select **Message**.
- > Enter the message text.
- > Press **More** and select **Done** to save the message.
- > Select the **Attach file(s)** field and **add an item to be added**.
- > When you have finished, press **More** and select **Send**.
- > **Add a destination number or email address by selecting a contact from the Phonebook or entering a phone number or email address.**
- > Select a contact or a caller group from Phonebook, or enter a phone number or email address.
- > Press **More** and select **Send** to send the message.

Send an email

- > In Idle mode, press **OK** and select **Messages** → **Create message** → **Email**.
- > Select **Subject**.
- > Enter the subject of your email.
- > Press **More** and select **Done**.
- > Select **Message**.
- > Enter the email text.
- > **Press More and select Done.**
- > Select **Attach file(s)** → an item to be added.
- > Press **More** and select **Send**.
- > **Add a destination email address by selecting a contact from the Phonebook or entering an email address.**
- > Press **More** and select **Send** to send the email.

View messages

You can receive messages from other people and save **them** in your phone.

View a text message

When a notification appears:

- > Press **OK**.
- > Select the message from the Inbox.

From the Inbox:

- > In Idle mode, press **OK** and select **Messages** → **Inbox**.
- > Scroll to a message (✉) and press **OK**.

View a multimedia message

When a notification appears:

- > Press **OK** and select **Retrieve**.
- > Select the message from the Inbox.

From the Inbox:

- > In Idle mode, press **OK** and select **Messages** → **Inbox**.
- > Scroll to a message (📎) and press **OK**.

View an email

- > In Idle mode, press **OK** and select **Messages** → **Email box**.
- > Select an account.
- > Press **OK** when **Check for new email** is displayed to download **an email** or a header.
- > Scroll to an email or a header and press **SEND**.
- > If you selected a header, press **OK** and select **Retrieve**.

Use Bluetooth

Your phone is equipped with Bluetooth technology, enabling you to connect the phone wirelessly to other Bluetooth devices and exchange data with them, talk hands-free, or control the phone remotely.

Activate Bluetooth

- > In Idle mode, press **OK** and select **Settings** → **Bluetooth** → **Turn on** → **On**.
- > Select **My phone's visibility** → **On** to allow other devices to find your phone.

Search for and pair with a Bluetooth device

- > In Idle mode, press **OK** and select **Settings** → **Bluetooth** → **My devices** → **New search**.
- > Select a device.
- > Enter a Bluetooth **pincode** or the other device's Bluetooth **pincode**, if it has one, and select **Done**.

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

Send data

- > Access an application, such as **Phonebook**, **Library**, **Organiser**, **Memo**, or **To do**.
- > Scroll to an item.
- > Press **More** and select **Send via**, **Send business card via**, or **Send this business card** → **Bluetooth**.
- > Select a device.
- > If necessary, enter the Bluetooth **pincode** and select **Done**.

Receive data

- > When a device attempts to access your phone, select **Yes** to permit the connection.
- > If necessary, select **Yes** to confirm that you are willing to receive.

When you are in a field that allows characters to be entered, you will notice the text input mode indicator on the display.

You can enter text in some features, such as Messages, Phonebook, or Calendar, using ABC mode, T9 mode, My words mode, Number mode, and Symbol mode.

You can change the text input mode using the following methods:

- To switch to T9 mode, press **More** and select **T9**.
- To switch My words mode, press **More** and select **My words**.
- To switch to Number mode, press **More** and select **Number input**, or tap the **123** soft key in the left hand corner of the screen.
- To switch to Symbol mode, press **More** and select **Symbol input**, or tap the **&:@** soft key in the left hand corner of the screen.
- To switch back to T9 mode or ABC mode, press **More** and select **Text input**, or tap the **abc** soft key in the left hand corner of the screen.

Use ABC mode

When you enter the text input field, ABC mode is selected.

Entering a word in ABC mode

Move to the appropriate character set and press **OK** until the character you want appears on the screen.

- Once for the first letter.
- Twice for the second letter.
- And so on.

Other ABC mode operations

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or turn the wheel clockwise. Then enter the next letter.
- Tap the **↑** soft key to change case.
- Select the Insert Space marker () to insert a space.
- Press **C** to delete characters one by one. Press and hold **C** to clear the entire display.

Use T9 mode

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

Enter a word in T9 mode

- > Select the appropriate character set once for each letter.
T9 predicts the word that you are typing, and it may change with each key that you press.
- > Enter the whole word before editing or deleting characters.
- > When the word displays correct, select **↵** to insert a space. Otherwise, tap the **Match** soft key to display alternative word choices for the keys that you have pressed.

Other T9 mode operations

- Select the Full stop marker (.) to enter a full stop.
- Select the Comma marker (,) to enter a comma.
- Tap the **↑** soft key to change case.
- Select the Insert Space marker () to insert a space.
- Press **C** to delete characters one by one. Press and hold **C** to clear the entire display.

Use My words mode

My words mode enables you to preset words or phrases so that you can quickly and easily insert them into your text while creating a message.

Note! This mode is available only when T9 mode is activated.

To add a word or phrase to the My words list

This feature may not be available for some languages.

> Select **Create**.

> Enter the word you want using ABC mode.

> Press **More** and select **T9** to switch to T9 mode.

> Press **More** again and select **Add word**.

The word or phrase is added to the My words list.

Use Number mode

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

Use Symbol mode

Symbol mode enables you to insert symbols.

- To scroll through symbols, move the wheel clockwise or counterclockwise.
- To insert the selected symbol in the message, press **OK**.

This section describes call-related functions. You can make calls in several ways or use In-call options.

Make a call

Calls are made from the dialling screen.

To make a call

- > In Idle mode, tap the centre of the display to open the dialling screen.
- > Enter the area code, and phone number using the wheel.

Notes!

- Press **C** to clear the last digit or press and hold **C** to clear the whole display.
- To enter a pause, press **More** and select **Pause**.

- > Press **SEND**.
- > When you want to end the call, press **END**.

To make an international call

- > On the dialling screen, select **+**.
- > Enter the country code, area code, and phone number, then press **SEND**.

To redial recent numbers

- > In Idle mode, press **SEND** to display the list of recent numbers.
- > Scroll to the number you want and press **SEND**.

To make a call from the Phonebook

Once you have stored a number in the Phonebook, you can dial the number by selecting it from the Phonebook. ► p. 37

You can quickly dial a number from the SIM card using the location number assigned to it when you stored it.

- > On the dialling screen, enter a location number and select **#**.
- > Press **SEND** to dial the number.

Answer a call

When you receive an incoming call, the phone rings.

Press **SEND**, or press **More** and select **Accept** to answer the call.

Tips for answering a call

- Press **END**, or press **More** and select **Reject call** to reject a call.
- Press **C** to mute the ringer for an incoming call.

View missed calls

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

- > Press **OK**.
- > If necessary, scroll through the missed calls.
- > Press **SEND** to dial the number you want.

Options during a call

You can access a number of functions during a call.

To adjust the volume during a call

Use the wheel to adjust the volume during a call.

Turn the wheel clockwise to increase the volume and counterclockwise to decrease the volume.

To place a call on hold or retrieve

Press **More** and select **Hold** to place a call on hold, or select **Retrieve call** to retrieve a call on hold.

To make a second call

You can make another call while your first call is on hold if your network supports this function.

- > Press **More** and select **Hold** to put the call on hold.
- > Make the second call in the normal way.
- > Press **More** and select **Switch calls** to switch between the calls.
- > Press **More** and select **End held** to end the call on hold.
- > To end the current call, press **END**.

To answer a second call

You can answer an incoming call while already on the phone, if your network supports this function and you have activated the call waiting feature.

- ▶ p. 46
- > Press **SEND** to answer the call. The first call is automatically put on hold.
- > Press **More** and select **Switch calls** to switch between the calls.
- > Press **More** and select **End held** to end the call on hold.
- > To end the current call, press **END**.

To use In-call options

During a call, press **More** to access the following options:

- **Switch to headset** or **Switch to phone**: switch the call to a Bluetooth headset or hands-free car kit, or back to the phone.
- **Hold/Retrieve call**: place the current call on hold or retrieve the call on hold.
- **Mute** or **Unmute**: switch the phone's microphone off or on. When the microphone is switched off, the person on the other end of the line will not be able to hear you.
- **Mute key tone** or **Unmute key tone**: switch the DTMF tones on or off. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys.

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

- **Send message**: send a text message to the person with whom you are talking.
- **Send DTMF**: send the DTMF (Dual tone multi-frequency) tones as a group. This option is helpful for entering, for example, a password or an account number for an automated banking service.
- **New call**: make a new call.
- **Phonebook**: access the Phonebook list.
- **View contact details**: access contact information, if the number is saved in Phonebook.
- **Calendar**: access the calendar to check your schedule or enter new appointments.
- **Memo**: create a memo.

- **Swap calls**: transfer the currently active call to a caller on hold. The two callers can talk to each other, but you are disconnected from the call.

- **Join calls**: set up a multi-party call by adding a caller on hold to a currently active call. You can include up to **6 people** on a multi-party call.

- **Select one call**: select one of multi-party call participants. You can then use the following options:

Private: have a private conversation with the selected participant. The other participants can converse with each other. After the private conversation, select **Join calls** to return both private participants to the multi-party call.

End call: disconnect the selected participant.

Music player

The Music player allows you to play music files, audiobooks, podcast files in your phone. You can open Music player and listen to music while using other applications.

To open Music player, press **Music**.

Download music files to the phone

You have the following ways to download music files and save them to your phone.

- Download from the web browser. ► p. 30
- Download from a PC using the optional Samsung PC Studio. See Samsung PC studio User's Guide.
- Receive via an active Bluetooth connection. ► p. 46
- Synchronise with Windows Media player. ► p. 20

Downloaded or received files are stored in the Music player library.

Synchronise with Windows Media Player

You can copy music files to your phone by synchronising with Windows Media Player 11 on a PC.

- > In Idle mode, press **OK** and select **Settings** → **Phone settings** → **Transfer mode** → **MTP**.
- > Connect your phone and PC with an optional PC data cable.
- > Select **Synchronize media files to this device** when a pop-up window appears on your PC.
- > Set the phone to synchronise with only the current library and click **Finish**.
- > Click **Edit Playlist**.
- > Select the music files you want and click **OK**.
- > Click **Start Sync**.
- > When synchronisation is finished, disconnect the phone from the PC

Play music

- > In Idle mode, press **Music**.
- > Select a playlist **and then** a music file. The Music player opens and **plays the first file on the list**.
- > Use the following keys during playback:
 - **SEND**: pause or resume playback.
 - **OK**: open the playlist.
 - Wheel: adjust the volume.
- > Tap the left or right arrow on the screen to move to the next or previous file.
- > Press **END** to stop playback **and close the player**.

Create your own playlist

- > In Idle mode, press **Music**.
 - > Select a playlist **and then** a music file.
 - > Press **More** and select **Add to playlist**.
 - > Select **Add to a new playlist**.
 - > Enter a playlist name, and press **More** and select **Done**.
- The playlist is saved in **Playlists**.

Use Music player options

During playback, press **More** to access the following options:

- **Pause or Play**: pause or resume playback.
- **Music library home**: **open the playlists**.
- **Add to favourites**: add the file to the **Favourites** folder.
- **Add to playlist**: add the file to a playlist.
- **Go to artist**: **open the album list of the artist currently playing**.
- **Play via**: **play the file via Bluetooth stereo headset or phone speaker**.
- **Delete track**: delete the file.
- **Repeat**: turn the repeat mode on or off.
- **Send via**: send the file via MMS, email, or Bluetooth.
- **Track details**: access the file information.

Change Music player settings

In Idle mode, press **Music** and select **Settings** to access the following options:

- **Music menu order:** change the playlist order or delete playlists.
- **Index line searching:** set the phone to find music files using the first character of a file name.
- **Default volume:** select a default music player volume.

Messages

You can send and receive text messages, multimedia messages, and emails. You can also access push messages and broadcast messages.

To access this menu, press **OK** in Idle mode and select **Messages**.

Create message (Menu 1.1)

Use this menu to create and send text messages, multimedia messages, or **emails**.

Text message (Menu 1.1.1)

This menu allows you to create and send text messages via Short Message Service (SMS).

To create and send a text message

- > Enter your message.

Note! The maximum number of characters allowed in a text message depends on the encoding setting. If your message exceeds the maximum number of characters, the phone will split the message.

- > When you have finished entering, press **More** and select **Send message**.

- > Add destination numbers by selecting from the following:

Add from Phonebook: select a phone number from the Phonebook.

Enter number: enter a phone number.

Add from Group: select a caller group from the Phonebook.

- > Press **More** and select **Send** to send the message.

Options while composing a text message

Press **More** to access the following options:

- **Select:** **confirm** or select the currently highlighted item.
- **Send message:** move to the destination input field.
- **Save as draft:** save the message in the **Drafts** folder.
- **Insert item:** insert a template, contact's phone number, or bookmark item.
- **Symbol input** or **Number input:** switch to Symbol mode or Number mode.
- **T9:** activate or deactivate T9 mode.
- **Auto complete:** set the phone to predict and display the word you are entering. The word choices are stored in the T9 dictionary.
- **Add word:** add a word to the My words list.
- **My words:** access the My words list.
- **Input language:** change the input language.

Multimedia message (Menu 1.1.1)

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

To create and send a multimedia message

- > Select the **Subject** field.
- > Enter the subject of your message.
- > Press **More** and select **Done** to save the subject.

- > Select the **Image** or **video** field and add an image or a video clip.

Notes!

- The maximum size allowed for an MMS message can differ depending on your service provider.
- The DRM (Digital Rights Management) system and the file type determine which files can or cannot be forwarded.

- > Select the **Sound** field and add a sound clip.

- > Select the **Message** field.

- > Enter the message text.

- > Press **More** and select **Done** to save the message.

- > Select the **Attach file(s)** field and add an item to be added.

- > When you have finished, press **More** and select **Send**.

- > Add destination numbers or email addresses by selecting from the following:

Add from Phonebook: select a phone number or email address from the Phonebook.

Enter number: enter a phone number.

Enter email: enter an email address.

Add from Group: select a caller group from the Phonebook.

- > Press **More** and select **Send** to send the message.

Options while composing a multimedia message

Press **More** to access the following options.

Depending on the selected field, some options vary.

- **Add subject** or **Add message**: add the message subject or text.
- **Add image or video** or **Add sound**: add a media file stored in the phone's memory.
- **Attach**: attach a name card or calendar data as a data format attachment, **or a file stored in the Other files folder**.
- **Send**: send the message.
- **Preview**: view the message as it will be shown on the recipient's phone.
- **Save as draft**: save the message in the **Drafts** folder.
- **Edit subject** or **Edit message**: edit the subject or text **of the message**.
- **Clear subject** or **Clear message**: delete the subject or text.
- **Change image**, **Change video**, or **Change sound**: replace an added item.
- **Clear image**, **Clear video**, or **Clear sound**: remove an added item.
- **Add page**: add pages. Move to each page by **tapping the Left or Right arrow on the screen**.
- **Delete page**: delete a page.
- **Page duration**: change the duration of page display.
- **Go to next page** or **Go to previous page**: move to the next or previous page.
- **View file**:
- **Change attachment**: replace an attached item.
- **Remove attachment**: remove an attached item.
- **Remove all attachment**: remove all attached items.

Email (Menu 1.1.3)

You can send emails that include text, images, and audio. To use this feature, you need to subscribe to an email service and set up your email account and profile. ► p. 29

To create and send an email

- > Select the **Subject** field.
- > Enter the subject of your email.
- > **Press More and select Done**.
- > Select the **Message** field.
- > Enter the email text.
- > **Press More and select Done**.
- > Select the **Attach file(s)** field → an item to be added.
- > Add images, sounds, name cards, calendar data, **memos, or tasks**.
Note! The DRM (Digital Rights Management) system and the file type determine which files can or cannot be forwarded.
- > When you have finished, press **More** and select **Send**.
- > **Add email addresses by selecting from the following**:
Add from Phonebook: select an email address from the Phonebook.
Enter email: enter an email address.
Add from Group: select a caller group from the Phonebook.
- > Press **More** and select **Send** to send the email.

Options while composing an email

While composing an email, press **OK** to access the following options:

- **Add subject** or **Add message**: add the email subject or text.
- **Edit subject** or **Edit message**: edit the email subject or text.
- **Images, Sounds, Videos**: **add images, sounds, or videos**.
- **Business cards**: add name cards as a data format attachment.
- **Appointment, Anniversary, Memo, or To do**: add calendar data as a data format attachment.
- **Other files**: add files in a format which your phone does not support.
- **View**: open the selected attachment.
- **Send**: send the email.
- **Change attachment**: change the selected attachment.
- **Remove attachment**: **delete** the selected attachment.
- **Remove all attachments**: **delete** all attachments from the message.
- **Save as draft**: save the message in the **Drafts** folder.

Inbox (Menu 1.2)

Use this menu to access all messages you have received, except for emails.

The following icons may appear on the message list to show the message type:

-  **Text** message (SMS)
-  **Multimedia** message (MMS) or **Delivery report for your sent messages**
-  **MMS notification**
-  **Being retrieved**,
-  **Failed to be retrieved**
-  **Push messages from web servers**
-  **Configuration messages**, containing network parameters from your service provider
-  **Broadcast messages from your service provider**

Notes!

- The DRM (Digital Rights Management) system limits the forwarding of some messages containing web content. They are indicated by 
- A ! icon next to a message means that a message is of high priority. A grey-coloured message icon is of low priority.

To view a message

- > Scroll to the message you want.
- > Press **OK**.

To use message options

While viewing a message, press **More** to access the following options:

Text messages

- **Reply**: send a reply to the sender.
- **Forward**: forward the message to other people.
- **Delete**: delete the message.
- **Extract details**: extract URLs, email addresses, or phone numbers from the message.
- **Add to new contact**: save the sender's number in the Phonebook.
- **Add to existing contact**: save the sender's number to an existing Phonebook entry.
- **Save to Archive**: save the message to the Archive message folder.

Multimedia messages

- **Retrieve**: (for MMS notification) retrieve the message from the server.
- **Reply**: send a reply to the sender.
- **Forward**: forward the message to other people.
- **Delete**: delete the message.
- **Extract details**: extract URLs, email addresses, or phone numbers from the message.
- **Extract media**: save media content from the message in your phone's memory.

Configuration messages

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

Push messages

- **Go to URL**: connect to the URL specified in the message.
- **Delete**: delete the message.
- **Extract details**: extract URLs, email addresses, or phone numbers from the message.

Broadcast messages

- **Save**: save the message to the phone's memory.
- **Extract details**: extract URLs, email addresses, or phone numbers from the message.
- **Delete**: delete the message.

Delivery report

- **Extract address**: extract URLs, email addresses, or phone numbers from the report.
- **Delete**: delete the report.

Email box (Menu 1.3)

Use this menu to access emails that you have received.

To view an email

- > Select an email account.
- > Press **OK** when **Check for new email** displays, or press **More** and select **Check for new email**.

The phone checks for new emails and downloads received emails.

The following icons may appear on the list to show the email status:

- : Retrieved from the server
- : Being retrieved
- : Failed to be retrieved

Note! A ! icon next to a message means that a message is of high priority. A grey-coloured message icon is of low priority.

- > Scroll to an email or header and press **SEND**.
- > If the email has more than one page, turn the wheel clockwise or counterclockwise to scroll through pages one by one.
- > Select an attached file to view or play it.

To use email options

While viewing the email or header, press **OK** to access the following options:

- **Reply**: send a reply message.
- **Forward**: forward the email to other people.
- **Retrieve**: (for headers) retrieve the body of the email from the email server.
- **Delete**: delete the selected email.
- **Delete all**: delete all emails.
- **Add to filtering list**: add the sender's email address or subject to the Block list to reject emails from that address or containing that subject.
- **Extract details**: extract URLs, email addresses, or phone numbers from the message.
- **Extract media**: save media content from the message in your phone's memory.
- **Details**: access the email properties.

Drafts (Menu 1.4)

Use this menu to access messages that you have saved to send at a later time.

Select a message from the list. The message opens in Edit mode.

Outbox (Menu 1.4)

Use this menu to access messages that the phone is attempting to send or has failed to send.

While viewing a message, press **More** to access the following options:

- **Send again**: resend the message.
- **Edit**: edit and send the message.
- **Delete**: delete the selected message.
- **Save to Archive**: save the message to the Archive message folder.

Sent (Menu 1.5)

Use this menu to access messages that you have sent successfully.

While viewing a message, press **More** to access the following options:

- **Forward**: forward the message to other people.
- **Delete**: delete the selected message.
- **Save to Archive**: save the message to the Archive message folder.

Templates (Menu 1.6)

Use this menu to make and use templates of frequently used messages or passages.

To create a template

- > Select **Create**.
- > Enter a message.
- > Press **More** and select **Save template**.

To use template options

From the template list, press **More** to access the following options:

- **Edit**: edit the selected template.
- **Send message**: send a new text message using the template.
- **Create new**: create a new template.
- **Delete**: delete the selected template.
- **Delete all**: delete all templates.

Archive messages (Menu 1.7)

This message folder stores text messages that you do not want them to be deleted. You can move messages to this folder by using the **Save to Archive** option from the other message folders.

From the message list, press **More** to access the following options:

- **View**: open the message.
- **Edit**: edit and send the message.
- **Send**: send a new text message.
- **Reply**: send a reply to the sender.
- **Forward**: forward the email to other people.
- **Delete**: delete the message.
- **Delete all**: delete all messages.
- **Add to new contact**: save the sender's number in the Phonebook.
- **Add to existing contact**: add the sender's number to an existing Phonebook entry.

Settings (Menu 1.8)

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

Text message (Menu 1.8.1)

You can change default SMS settings.

- **Settings x** (where x is the setting group number): set the properties of each profile. **Press More and select Edit to access the following options.**

Center address: store or change the number of your SMS server.

Expiration: set the length of time your messages are stored in the SMS server.

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

Name: enter a profile name.

- **Sending options:** set the following options for sending a text message:

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

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

Network selection: select either **CS only (GSM)** or **PS preferred (GPRS)**, depending on your network.

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

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

Multimedia message (Menu 1.8.2)

You can change default MMS settings.

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

Priority: set the priority level of your messages.

Validity period: set the length of time your messages are stored in the MMS server.

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

Hide address: set your address to be hidden from the recipient's phone.

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

Read report: determine whether or not your phone sends a read-reply request.

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

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

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

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

Reception within your home network or abroad has the following options:

- **Autodownload:** the phone automatically retrieves messages from the server.
- **Restricted:** the phone receives notifications first from the server. When you attempt to retrieve new messages, the phone informs you of additional charges.
- **Manual:** the phone displays notifications. Use the **Retrieve** option to manually retrieve new messages.

Delivery report: set the network to inform the sender when a new message has been delivered.

Read report: determine whether or not your phone sends a read-reply.

Anonymous: reject messages from unknown senders.

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

*Note! You can edit a profile using the **Connection settings** menu. ► p. 48*

- **Message class:** set up the options for creating MMS messages:

Message class: select the type of message content you will add or the message size.

- **Text:** you can add only text of up to 30 KB.
- **Image basic:** you can add any type of item, except for video, of up to 30 KB.
- **Image rich:** you can add any type of item, except for video, of up to 100 KB.
- **Video basic:** you can add any type of item of up to 100 KB.
- **Video rich:** you can add any type of items of up to 300 KB.

Creation mode: select an MMS creation mode:

- **Free:** you can create a message with any type of content and of any size.
- **Restricted:** you can create a message with the specified type of content and the size specified by default.
- **Warning:** you can create a message with any type of content and of any size, but the phone will inform you when the content and size exceed the maximum.

Email (Menu 1.8.3)

You can configure default email settings.

Note! You cannot change email profile settings while an email is being sent or retrieved.

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

From: set the sender name.

Sending account: select the default email account.

Priority: select the priority level of emails.

Keep a copy: send copies of your emails to your email account.

Send confirmation: set the network to inform you when your emails are delivered.

Read reply: send a read-reply request along with your emails.

Add my namecard: allow your contact information to be attached to emails. You must create a name card. ► p. 38

Add my signature: attach your name, phone number, or a memo to your email.

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

Retrieving option: set whether the phone downloads the entire email or only the headers.

Reject if over: determine the maximum size for incoming emails.

Check interval: determine how often the phone checks the server for incoming emails. If this option is set to **Do not use**, you can use the **Check for new email** option to check your email manually.

Read reply: determine whether or not your phone sends a read-reply. When this option is set to **On**, the phone prompts you to send a read-reply to the sender.

Block address: specify email addresses to be rejected, and activate or deactivate mail blocking.

Block subject: specify subjects to be rejected, and activate or deactivate mail blocking.

- **Email profiles:** select a connection profile to be used for email services.

Note! You can edit a profile using the **Connection settings** menu. ► p. 48

- **Email accounts:** select an account to be used or set up an email account. Press **More** and select **Edit** to access the following properties for each account:

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

SMTP server: enter the IP address or host name of the outgoing email server.

SMTP port: enter the SMTP port number.

Use SSL: activate the use of the SSL (Secured Sockets Layer) protocol.

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

Retrieve server: enter the IP address or host name of the POP3 or IMAP4 server.

Retrieve port: enter the POP3 or IMAP4 port number.

Use SSL: activate the use of the SSL (Secured Sockets Layer) protocol.

Retrieving option without attachment: (IMAP4 protocol only) set whether the phone retrieves messages with attachments or not.

Retrieve count: (IMAP4 protocol only) set the number of email headers the phone retrieves from the server at any one time.

Leave a copy of messages on the server: leave copies of emails on the email server after retrieving.

My address: set your email address.

User name: enter the POP3 or IMAP4 user name.

Password: enter the POP3 or IMAP4 password.

POP3/IMAP4 before SMTP: connect to the POP3 or IMAP4 server for authentication before connecting to the SMTP server to send e-mails.

Use SMTP authentication: enable SMTP authentication, which requires the user to log in before sending emails.

Push message (Menu 1.8.4)

You can change the settings for receiving push messages from the wireless web server.

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

Broadcast (Menu 1.8.5)

You can change the settings for receiving broadcast messages.

- **Receive:** select the reception of broadcast messages.
- **Channel list:** indicate the channels from which you wish to receive broadcast messages. Please contact your service provider for further details.
- **Language:** select the preferred languages in which broadcast messages display.

Memory status (Menu 1.9)

Use this menu to view the maximum memory and available memory for each message type.

Browser

The WAP (Wireless Application Protocol) browser on your phone allows you to access the wireless web. Using the web browser, you can access and download up-to-date information and a wide variety of media content.

To access this menu, press **OK** in Idle mode and select **Browser**.

Home (Menu 2.1)

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

To navigate the web

- To scroll through browser items, move the wheel clockwise or counterclockwise.
- To select a browser item, press **OK**.
- To return to the previous page, press **BACK**.
- To close the browser, press **END**.

To use browser options

From any web page, press **More** to access the following options:

- **Open**: access the linked web page.
- **Forward**: move forward one page (if available in browser history).
- **Back**: move backward one page (if available in browser history).
- **Reload**: reload the current page with updated information.
- **Page size**: change the browser display font.
- **Home**: return to the homepage.
- **Add to bookmarks**: add a new bookmark for the current web page.
- **View bookmarks**: display the bookmark list.
- **Enter URL**: enter a URL address manually.
- **Send URL via text message**: Send the URL address of the current web page via SMS.
- **Save**: save a selected image or the current web page.
- **Saved pages**: access the list of pages you have saved while online.
- **History**: access the list of pages you have accessed recently.
- **Advanced**: change the browser display settings.
- **Details**: access details for the current web page.

Enter URL (Menu 2.2)

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

Bookmarks *(Menu 2.3)*

Use this menu to save URL addresses in order to access websites quickly.

To add a bookmark

- > Select **Create**, or press **More** and select **Create**.
- > Select **Title**.
- > Enter a name for the bookmark.
- > Press **More** and select **Done**.
- > Select **URL**.
- > Enter a URL address, and press **More** and select **Done**.
- > Press **More** and select **Save**.

To access a bookmarked page

Scroll to a bookmark item and press **OK**, or press **More** and select **Open**.

To use bookmark options

After saving an item, press **More** to access the following options:

- **Open**: access the bookmarked website.
- **Edit bookmark**: edit the URL address and name of the bookmark.
- **Create**: add a new bookmark.
- **Send URL via text message**: send the selected bookmark via SMS.
- **Delete**: delete the selected bookmark.
- **Delete all**: delete all bookmarks.
- **Details**: access details for the selected bookmark.

Saved pages *(Menu 2.4)*

Use this menu to access the list of pages you have saved while online.

Select a page name from the list to view the corresponding web page offline.

From the saved page list, press **More** to access the following options:

- **View**: access the selected web page.
- **Rename**: change the name for the selected web page.
- **Delete**: delete the selected web page.
- **Delete all**: delete all web pages.

History *(Menu 2.5)*

Use this menu to access the list of pages you have accessed recently.

Select a page from the list to access the corresponding web page.

From the history list, press **More** to access the following options:

- **Open**: access the selected web page.
- **Delete**: delete the selected web page.
- **Delete all**: delete all web pages.

Advanced (Menu 2.6)

Use this menu to clear the cache or delete cookies or to change the browser display settings.

- **Clear cache:** clear the cache. The cache is a temporary memory site that stores recently accessed web pages.
- **Delete cookies:** delete cookies. Cookies are pieces of personal information sent to a web server while navigating the web.
- **Cookie options:** set whether or not cookies are stored. If you select **Prompt**, the phone will ask you to save the cookies of the current page.
- **Preferences:** change the browser display and sound settings.
- **About browser:** access version and copyright information about the browser.

Connection profiles (Menu 2.7)

Use this menu to select or edit a connection profile for accessing the wireless web.

Note! You can create or edit a profile using the **Connection settings** menu. ► p. 48

Organiser

The Organiser feature enables you to keep track of your schedule and tasks, to view alarms you have recently missed, and to make memos.

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

Calendar *(Menu 3.1)*

Use this menu to keep track of your schedule.

To select a day on the calendar

When you select **Calendar**, the calendar is displayed with today's date highlighted.

Turn the wheel clockwise or counterclockwise to move by day.

To enter an appointment

> Select a date on the calendar.

> **Select Create → Appointments.**

> Enter information or change the settings:

- **Title:** enter the title of the appointment.
- **Details:** enter information about the appointment.
- **Location:** enter information about the location of the appointment.
- **Start date and Start time:** enter the starting date and time.
- **End date and End time:** enter the ending date and time.
- **Alarm:** select how long before the appointment the alarm is to alert you. If you do not want an alarm for the appointment, select **Off**.
- **Repeat:** set the appointment to recur. If you do not want the appointment to recur, select **Off**.
- **Expiry:** change the expiry setting.

> Press **More** and select **Save appointment** to save the appointment.

To enter an anniversary

> Select a date on the calendar.

> **Select Create → Anniversaries.**

> Enter information or change the settings:

- **Occasion:** enter information about the anniversary.
- **Date:** enter the date.
- **Alarm:** select how long before the anniversary the alarm is to alert you. If you do not want an alarm for the anniversary, select **Off**.
- **Alarm time:** enter the time for the alarm to sound.
- **Repeat every year:** set the phone to remind you of the anniversary every year.

> Press **More** and select **Save anniversary** to save the anniversary.

To view an item

> Select a date on the calendar to display the items for the day.

> Select an item to view its details.

While viewing an items, press **More** to access the following options:

- **Edit:** edit the item.
- **Send via:** send the item via MMS, email, or Bluetooth.
- **Delete:** delete an item.

To use calendar options

On the calendar, press **More** to access the following options:

- **View:** open the selected item.
- **Create:** add a new item.
- **Week view:** switch to the week view screen.
- **Day view:** switch to the day view screen.
- **Go to date:** go to the specific date you entered.
- **Event list:** sort items by type of item.
- **Delete:** delete all items stored on the selected date.
- **Delete month:** delete all items stored on the selected month.
- **Delete range:** delete items for a specific period.
- **Memory status:** check memory information for the calendar.

To view items in a different mode

By default, the calendar appears in Month view.

You can change the calendar display to Day view or Week view. Press **More** and select **Week view** or **Day view**.

Day view

You can view items scheduled for the selected date. Select an item to view its details.

Week view

Use this menu to view items for the selected week. The light grey cells on the timetable indicate items scheduled for the week. Select the date that contains the item you want.

Appointment *(Menu 3.2)*

This menu displays appointments you have created on the calendar.

Anniversary *(Menu 3.3)*

Use this menu to view anniversaries you have created on the calendar. If you have set the Alarm option, the xx icon appears.

Missed alarm events *(Menu 3.4)*

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

Library

The **Library** menu allows you to access images, sounds, and other files in the phone's memory.

To access this menu, press **OK** in Idle mode and select **Library**.

Images (Menu 4.1)

Use this menu to access images you have downloaded or received in messages.

To view an image

- > Select an image folder.
- > **Select** the image you want.
- > Turn the wheel clockwise or counterclockwise to view other images.

To view a slide show

You can view your photos as a slide show, a sequential presentation of each photo in the current folder.

- > Select **an image folder**.
- > Press **More** and select **Slide show**. The slide show begins.
- > Press **BACK** to stop the slide show.

To use image options

While viewing an image, press **More** to access the following options:

- **View**: open the selected image.
- **Send via**: send the file via MMS **or** email.
- **Set as caller ID**: set the image as a caller ID image for a Phonebook entry.
- **Delete**: delete the file.
- **Delete all**: delete all files.
- **Move**: move the file to another **image** folder.
- **Rename**: change the file name.
- **Slide show**: view all images in the current folder as a slide show.
- **Protect file** **or** **Protect file**: lock the file to prevent it from being deleted, and renamed, or unlock the file.
- **Details**: view the file properties.

Sounds (Menu 4.2)

Use this menu to access voice memos you have recorded and sounds you have downloaded or received in messages.

To play a sound

- > Select a sound folder.
- > Scroll to the sound you want.
- > Press **More** and select **Play**.

If you are playing a voice memo you have recorded, see **Voice memo**. ► p. 41

To use sound options

From the sound list, press **More** to access the following options:

- **Play**: play the selected file.
- **Play via**: play the selected file via the phone speaker or a **Bluetooth stereo headset**.
- **Send via**: send the file via MMS or email.
- **Delete**: delete the file.
- **Delete all**: delete all files.
- **Move**: move the file to another **sound** folder.
- **Rename**: change the file name.
- **Protect file** **or** **Unprotect file**: lock the file to prevent it from being deleted, and renamed, or unlock the file.
- **Details**: view the file properties.

Videos (Menu 4.3)

Use this menu to access video files you have downloaded or received in messages.

To play a video file

- > Scroll to the video file you want.
- > Press **More** and select **Play**.

To use video options

From the video file list, press **More** to access the following options:

- **Play**: play the sound file.
- **Send via**: send the file via MMS or email.
- **Delete**: delete the file.
- **Delete all**: delete all files.
- **Rename**: change the file name.
- **Protect file** or **Unprotect file**: lock the file to prevent it from being deleted, and renamed, or unlock the file.
- **Details**: view the file properties.

Other files (Menu 4.4)

Use this menu to access any other files than image, video, music, and sound files. Your phone provides you with Picsel File Viewer to allow you to view various document files. **Available file formats are doc, xls, ppt, pdf, and txt.**

To view a document

Select a file. Picsel File Viewer runs and opens the document.

To use document options

While viewing a file, press **More** to access the following options:

- **Zoom**: zoom in or out.
- **Fit to**: fit the document to the page size, screen width, or screen height.
- **Go to**: move to another page of the document.
- **Rotate**: rotate the document.
- **Send via**: send the file via MMS, email, or Bluetooth.
- **Delete**: delete the file.
- **Rename**: change the file name.
- **Protect file** or **Unprotect file**: lock the file to prevent it from being deleted, and renamed, or unlock the file.
- **Details**: view the file properties.

Memory status (Menu 4.5)

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

You can store phone numbers in your phone's memory and copy them to the SIM card. The SIM card and phone's memory are physically **separated**, but they are used as a single entity called Phonebook.

To access this menu, press **OK** in Idle mode and select **Phonebook**.

Contact list (Menu 5.1)

Use this menu to search for **contact information** in the Phonebook.

To find a contact

- > Scroll to the first character of the name you want to find and press **OK**.
- > Scroll to the **contact**.
- > To view contact information, press **More** and select **View**.

To dial a number, press **SEND** or **OK**. If the contact has more than one phone number, select a number.

To use Phonebook options

While viewing contact information, press **More** to access the following options:

Note! Depending on the number type you select, options may vary.

- **Edit**: edit contact information.
- **Call**: dial the number.
- **Send message via**: send an SMS or MMS message to the selected number.
- **Delete**: delete the selected contact from the Phonebook.
- **Send business card via**: send the contact as a data format attachment via MMS, email, or Bluetooth.
- **Add to group**: add the selected **contact** to a group.
- **Copy to SIM** or **Copy to phone**: copy the contact to the phone's memory or to the SIM card.

Add new contact (Menu 5.2)

Use this menu to add new contacts to the Phonebook.

- > Select a **memory** location.
- > Change the settings or enter information about the contact:
 - **Name**: assign a name.
 - **Mobile**: enter a mobile phone number.
 - **Home**: enter a home phone number.
 - **Office**: enter a work phone number.
 - **Email**: assign an email address.
 - **Caller ID**: assign an image as a caller ID image to alert you to a call from the person.
 - **Group**: assign the contact to a caller group.
 - **Date of birth**: enter the person's birthday.
 - **Address**: assign a postal address.
 - **Note**: add a note about the contact.
- > Press **More** and select **Save** to save the contact.

Groups (Menu 5.3)

Use this menu to organise your contacts in caller groups.

To create a new caller group

- > Select **Create group**.
- > Enter a name for the group.
- > Press **More** and select **Done**.

To add members to a caller group

- > Select a group.
- > Select the contact you want to add to the group.

To use caller group options

From the group list, press **More** to access the following options:

- **View members:** display the members of the selected group.
- **Add member:** add members to the selected group.
- **Rename group:** change the name of the group.
- **Delete:** delete the selected group. Group members, however, will not be deleted from the Phonebook.
- **Delete all:** delete all groups.
- **Create group:** add a new group.

My business card (Menu 5.3)

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

To save your name card

The procedure for creating your name card is the same as the one for saving a number in the phone's memory. ► p. 37

To use name card options

After saving your name card, press **More** to access the following options:

- **Send business card via:** send the name card as a data format attachment via MMS, email, or Bluetooth.
- **Send this number via:** send the selected number via SMS, MMS, or email.
- **Edit:** edit the name card.
- **Remove business card:** delete the name card.

Own number (Menu 5.4)

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

Copy all to SIM (Menu 5.5)

Use this menu to copy **all of the contacts** in the phone's memory to the SIM card.

Contacts will be displayed twice in your Phonebook list. If necessary, you can delete the contacts in your phone's memory to avoid any confusion.

Copy all from SIM (Menu 5.6)

Use this menu to copy all of the contacts on the SIM card to the phone's memory.

Delete all (Menu 5.7)

Use this menu to delete all of the contacts **in your phone's memory and on the SIM card**.

Settings (Menu 5.8)

Use this menu to **change the default settings for the phonebook**.

- **Searching mode:** change the sort order of the contact list.
- **Default contacts view:** set the memory location from which the phonebook show entries.

Memory status (Menu 5.9)

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

Call log

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

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

Recent calls *(Menu 6.1)*

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

To access a call log

- > Turn the wheel clockwise or counterclockwise to scroll through the call log list.
- > To view the details of a call, press **More** and select **Details**.
- To dial a number, press **SEND**.

To use call log options

From the call log list, press **More** to access the following options:

- **Details**: view the details of a call.
- **Call**: dial the number.
- **Send message via**: send a **text or multimedia** message to the selected number.
- **Use number**: use the number for editing and saving it.
- **Add to new contact**: save the number in the Phonebook.
- **Add to existing contact**: add the number to an existing Phonebook entry.
- **Remove**: delete the call log.
- **Remove all**: delete all of the call logs.

Missed calls *(Menu 6.2)*

This menu displays the most recent calls you have received but not answered.

Dialled calls *(Menu 6.3)*

This menu displays the most recent calls you have dialled.

Received calls *(Menu 6.4)*

This menu displays the most recent calls you have received.

Remove all *(Menu 6.5)*

Use this menu to delete all of the call logs.

Call duration *(Menu 6.6)*

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

Note! To reset call time, press **More** and select **Reset all call durations**.

Applications

Use this menu to record voice memos, to set alarms, or to use the phone as a world clock, calculator, and converter. You can also synchronise personal data in the phone's memory with data stored on a PC.

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

Alarm (Menu 7.1)

Use this menu to set alarms to sound at a specific time. A wake-up alarm is not affected by your sound settings.

To set an alarm

- > Select **Alarm 1**.
- > Specify the alarm settings:
 - **Name**: enter the alarm name.
 - **Activation**: activate the alarm using the wheel.
 - **Time**: enter the time for the alarm to sound using the wheel.
 - **Repeat**: select a repeat option.
 - **Alarm notification**: select an alarm ringtone.
 - **Auto power-up**: set the phone to switch on and sound the alarm when it is time for the alarm.
- > Press **More** and select **Save**.

To stop an alarm

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

- Select **Confirm** or press any key.
- Select **Snooze** to pause the alarm for 5 minutes. You can do this a maximum of 5 times.

To deactivate an alarm

- > Select the alarm you want to deactivate.
- > Select **Off** on the **Activation** line.
- > Press **More** and select **Save**.

World clock (Menu 7.2)

Use this menu to find out the current time in another part of the world.

From the world map, turn the wheel clockwise or counterclockwise to select the city you want. As the time line moves, the current time and date of the **selected** zone display.

Calculator (Menu 7.3)

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

- > Enter the first number.
To insert a decimal point, scroll to the decimal point mark (.) using the wheel and press **OK**.
- > Move the wheel clockwise or counterclockwise to access the math function you want and press **OK**.
- > Enter the second number.
- > To view the result, press **OK** when the equal sign (=) is selected.
- > If necessary, repeat from step 2 to continue the calculation.

Currency converter (Menu 7.4)

Use this menu to convert currency values.

- > Select **Unit** in the upper line and select the original unit using the wheel.
- > Move down and select the input field.
- > Enter the value to be converted and press **More** and select **Done**.
To insert a decimal point, scroll to the decimal point mark (.) using the wheel and press **OK**.
- > Select **Unit** in the lower line and select the unit to which you want to convert.
The equivalent value for the amount you entered displays.

*Note! You can edit the currency rate by pressing and selecting **Set currency rate**.*

Voice memo (Menu 7.5)

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

To record and save a voice memo

- > Press **OK**, or press **More** and select **Start recording** to start recording.
- > Speak into the microphone.
To pause recording, press **More** and select **Pause recording**.
To resume recording, press **More** and select **Resume recording**.
- > When you have finished, press **OK**, or **More** and select **Stop recording**. The voice memo is saved automatically.

To play a voice memo

- > From the voice memo screen, press **More** and select **Go to voice memos**.
- > Select a voice memo. The voice memo plays.

During playback,

- To adjust the volume, move the wheel clockwise or counterclockwise.
- To pause playback, press **OK**. To resume playback, press **OK** again.
- To stop playback, press **More** and select **Stop**.

To use voice memo options

From the voice memo list, press **More** to access the following options:

- **Play**: play the voice memo.
- **Send via**: send the file via MMS or email.
- **Delete**: delete the file.
- **Delete all**: delete all files.
- **Move**: move the file to another folder.
- **Rename**: change the file name.
- **Protect file** or **Unprotect file**: lock the file to prevent it from being deleted and renamed.
- **Details**: view the file properties.

To change voice memo settings

You can select a recording time before starting recording.

From the Voice memo screen, press **More** and select **Settings** to access the following options:

- **Maximum (60 minutes)**: record a voice memo up to one hour long.
- **Suitable for messages**: record a voice memo for adding to a **multimedia** message.
- **Suitable for email**: record a voice memo for adding to an email.

Memo (Menu 7.6)

Use this menu to make memos for things that are important and manage them.

To enter a memo

- > Select **Create**.
- > Enter a memo.
- > Press **More** and select **Done** to save the memo.

To use memo options

From the memo list, press **More** to access the following options:

- **View**: view the memo details.
- **Create**: create a new memo.
- **Send via**: send the memo via MMS, email, or Bluetooth.
- **Delete**: delete the selected memo.
- **Delete all**: delete all memos.
- **Memory status**: check how many memos you have created.

To do (Menu 7.7)

Use this menu to create and manage tasks you have created.

To enter a task

- > Select **Create**, or press **More** and select **Create**.
- > Enter information or change the settings:
 - **Title**: enter information about the task.
 - **Date**: enter the date.
 - **Due date**: enter the date when the task is due.
 - **Priority**: select a priority level.
- > Press **More** and select **Save** to save the task.

The  icon indicates that the task priority is high.

A check mark appears in the status check box if the task has been completed. To change the task status, on the task list, press **More** and select **Mark as done** or **Mark as not done**.

To use task options

From the task list, press **More** to access the following options:

- **View**: view the task details.
- **Mark as done** or **Mark as not done**: change the task status.
- **Create**: create a new task.
- **Send via**: send the task via MMS, email, or Bluetooth.
- **Delete**: delete the selected task.
- **Delete all**: delete all tasks.
- **Memory status**: check how many tasks you have created.

Media player *(Menu 7.8)*

You can play video files stored in your phone's memory using the media player.

To save video files in the phone

You can play **mp4**, **3gp**, and **WMV** files on your phone. Use the following methods to save video files to your phone's memory:

- Download from the web browser. ► p. 30
- Download from a PC using the optional Samsung PC Studio. See Samsung PC studio User's Guide.
- Receive via an active Bluetooth connection.
► p. 46
- Synchronise with Windows Media player.
► p. 20

Downloaded or received files are stored in the **Videos** folder in **Library**.

To play a video file

- > Select the **Videos** folder.
- > Scroll to the file you want to play. The media player opens.

Use the following functions during playback:

- To pause or resume playback, press OK.
- To move backward in a file, tap and hold the left arrow on the display.
- To move forward in a file, tap and hold the right arrow on the display.
- To adjust the volume, use the wheel.

To use media player options

From the media player screen, press **More** to access the following options:

- **Play** or **Pause**: begin or pause playback.
- **Stop**: stop playback.
- **Send via**: send the current file via MMS, email, or Bluetooth.
- **Delete**: delete the file.

Settings

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

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

Time & date *(Menu 8.1)*

Use this menu to change the time and date settings for your phone.

- **Time**: enter the current time using the wheel.
- **Date**: enter the current date using the wheel.
- **Time zone**: set the home time zone. Select the city that corresponds to your home zone.
- **Time format**: select 12-hour or 24-hour time format using the wheel.
- **Daylight saving**: apply daylight saving time.

Phone settings *(Menu 8.2)*

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

Language *(Menu 8.2.1)*

Use this menu to select a language for the display text.

Transfer mode *(Menu 8.2.2)*

Use this menu to select a USB mode that will be used when you connect your phone to a PC via USB interface.

- **PC Studio**: you can use the Samsung PC Studio programme to synchronise data and transfer media files between the phone and a PC.
- **MTP**: you can use Media transfer mode to transfer WMDRM (Windows Media Digital Rights Management) content with licence keys directly from the Windows Media Player 10 or later to the phone. You can also get new licence keys for the DRM files that have expired licence keys.
- **Mass storage**: you can connect the phone to a PC, as you would use an external memory disk drive.

Auto redial *(Menu 8.2.3)*

Use this menu to set up the phone to redial a phone number after an unsuccessful call. **Ten attempts can be preset.**

Auto keylock *(Menu 8.2.4)*

Use this menu set the phone to lock the keys automatically after display turns off.

Display settings (Menu 8.3)

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

Idle display (Menu 8.3.1)

Use this menu to select a display item for the Idle screen.

Brightness (Menu 8.3.2)

Use this menu to adjust the brightness of the display for varying lighting conditions.

Backlight (Menu 8.3.3)

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

Dim (Menu 8.3.4)

Use this menu to select the length of time the display is in **Dim mode** after the backlight turns off. After a specified time has elapsed, the display turns off.

Sound settings (Menu 8.4)

Use this menu to customise sound settings to suit your preferences.

- **Ringtone**: select a ringtone for the call ringer.

- **Ring volume**: select a ringtone volume.

- **Ringtone type**: specify how you are to be informed of incoming calls.

Melody: the phone rings using the selected ringtone.

Vibration: the phone vibrates but does not ring.

Vibration & melody: the phone vibrates and rings at the same time.

Mute: the phone mutes the call ringer.

- **Message tone**: select a ringtone for incoming messages.

- **Message volume**: select a ringtone volume for incoming messages.

- **Message alert type**: specify how you are to be informed of incoming messages.

- **Alerts on call**: set the phone to beep when you receive a new message, or when an alarm is triggered during a call.

- **Quiet mode**: specify how the phone alerts you to a specific event in Quiet mode.

Network services (Menu 8.5)

Use this menu to access network services. Please contact your service provider to check their availability.

Call diverting (Menu 8.5.1)

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

> Select the type of calls to be diverted.

> Select a call diverting option:

- **Always divert**: divert all calls.

- **When busy**: divert calls when you are busy with another call.

- **When no reply**: divert calls when you do not answer the phone.

- **When unreachable**: divert calls when you are not in an area covered by your service provider or when your phone is switched off.

- **Cancel all**: cancel all call diverting options.

> Select **On the upper line**. To deactivate call diverting, select **Off**.

> **Select** the **Diverts to** line.

> Enter the number to which calls are to be diverted, and press **More** and select **Done**.

> If you selected **When no reply**, move to the **Waiting time** line and select the amount of time the network waits before diverting a call.

Call barring (Menu 8.5.2)

This network service allows you to restrict your calls.

- > Select the type of calls to be barred.
- > Select a call barring option:
 - **All outgoing calls:** prohibit outgoing calls.
 - **Outgoing int'l calls:** prohibit international calls.
 - **Int'l call exc. Home:** only allow calls to numbers within the current country when you are abroad, and to your home country.
 - **All incoming calls:** prohibit incoming calls.
 - **Incoming while roaming:** prohibit incoming calls when you use your phone outside of your home service area.
 - **Cancel all:** cancel all call barring settings.
- > Select **On** *the upper line*. To deactivate call barring, select **Off**.
- > Select the **Password** line.
- > Enter the call barring password supplied by your service provider, and press *More* and select **Done**.

Call waiting (Menu 8.5.3)

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

- > Select the type of calls to which the call waiting option will apply.
- > Select **On**. To deactivate call waiting, select **Off**.

Network selection (Menu 8.5.4)

This network service allows you to manually select the network to be used while roaming outside of your home area, or to let the network be chosen automatically.

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

Caller ID (Menu 8.5.5)

This network service allows you to prevent your phone number from being displayed on the phone of the person being called. If you select **Network default**, the phone will use the default setting provided by the network.

Note! Some networks do not allow the user to change this setting.

Voicemail (Menu 8.5.6)

Use this menu to store or change the number of the voicemail server.

Note! You must enter the voicemail server number before you can access your voicemails. Your service provider can give the voicemail server number.

Band selection (Menu 8.5.7)

For the phone to make and receive phone calls, it must register with an available network. Your phone can handle any of the following types of networks: GSM 1900, Combined GSM 900 or 1800, and UMTS.

The country where you purchased your phone determines the default band that it uses. When you travel abroad, you must remember to change to an appropriate band.

Bluetooth (Menu 8.6)

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

Bluetooth technology allows free wireless connection 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.

Notes!:

- *If there are obstacles between the devices, the operating distance may be reduced.*
- *It is recommended that you do not use the Bluetooth feature while using multimedia features such as voice recorder and camera, or vice versa.*
- *Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your phone.*

To set up the Bluetooth feature

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

- **Turn on or Turn off:** activate or deactivate the Bluetooth feature.
- **My devices:** search for connectable Bluetooth devices.
- **My phone's visibility:** allow other Bluetooth devices to search for your phone.
- **My phone's name:** assign a Bluetooth device name to your phone, which is then displayed on other devices.
- **Secure mode:** determine if the phone asks for your confirmation when other devices access your data.
- **Bluetooth services:** display available Bluetooth services.

To search for and pairing with a Bluetooth device

> From the **Bluetooth** menu, select **My devices**.

> Select **New search**.

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

-  Mobile phone
-  Computer
-  Headset or hands-free car kit
-  PDA
-  Printer
-  Unknown device

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

- Grey for unpaired devices.
- Blue for paired devices.
- Red for devices that are currently connected to your phone.

> Select a device.

> Enter a Bluetooth **pincode** and **select Done**. 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.

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

To use device options

From the paired device list, scroll to a device you want and press **More** to access the following options:

- **Connect**: connect to the headset or hands-free car kit.
- **Disconnect**: end the connection with the connected device.
- **Browse files**: search for data from the device and import data directly to your phone.
- **Service list**: display the Bluetooth service list for the selected device.
- **Rename**: change the name of the device.
- **Authorise device or Unauthorise device**: determine whether or not the phone asks you to permit connection when other devices try to connect to your phone.
- **Delete**: remove the selected device from the device list.
- **Delete all**: remove all devices from the device list.

To send data via Bluetooth

- > Activate the Bluetooth feature.
- > Select an application, such as **Phonebook**, **Library**, **Organiser**, **Memo**, or **To do**, in which the item you want to send is stored.
- > Scroll to the item you want.
- > Press **More** and select **Send via**, **Send business card via**, or **Send this business card** → **Bluetooth**.
- > For sending a contact, select which data you want to send.
- > Select a device.
- > If necessary, enter the Bluetooth **pincode** needed for pairing and select **Done**.

To receive data via Bluetooth

To receive data via Bluetooth, your phone's Bluetooth feature must be active and its visibility must be enabled.

- > If an unauthorised Bluetooth device sends data to your phone, **select Yes** to allow the device to access your phone.
- > **Select Yes to receive data.**

Security (Menu 8.7)

Use this menu to protect the phone against unauthorised use.

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

PIN check (Menu 8.7.1)

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

Change PIN (Menu 8.7.2)

Use this menu to change your **pincode**. The **pincode** check feature must be enabled to use this feature.

Phone lock (Menu 8.7.3)

This feature locks the phone from unauthorised use.

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

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

Change password (Menu 8.7.4)

Use this menu to change your phone password.

Privacy (Menu 8.7.5)

Use this menu to lock all menu options on the phone, except call functions.

When this feature is enabled, you must enter the phone password to access menu functions.

SIM lock (Menu 8.7.6)

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

Connection settings (Menu 8.8)

Use this menu to create and customise the profiles containing the settings for connecting your phone to the network. You need these settings to use the web browser or send MMS messages or emails.

Note! Your phone is set up by default for connecting to the network. If you change the settings without first checking with your service provider, the web browser, MMS, and email features may not work properly.

To create a profile

- > **Select Create.** If a profile has previously been saved, press **More** and select **New connection.**
- > Set profile parameters:
 - **Set name:** enter a name for the profile.
 - **Access name:** edit the access point name used for the address of the GPRS network gateway.
 - **Auth type:** choose the type of authentication used.
 - **User ID:** enter the user ID.
 - **Password:** enter the user password.
 - **Protocol:** select the protocol among **HTTP**, **WAP**, and **Other**.
 - **Home URL:** enter the URL address of the page to be used as your homepage.
 - **Gateway address:** (WAP only) enter the gateway address of the proxy server.
 - **Proxy address and Port:** (HTTP only) set the proxy server address and port.
 - **Secure connection:** (WAP only) turn the secure mode on or off.
 - **Linger time (sec.):** set a time period after which the network is disconnected if there has been no new data traffic in that time.

- **Static IP:** specify if you want to manually enter an IP address; see the Local phone IP option. If you want the IP address to be automatically assigned by the server, select **Off**.
- **Local phone IP:** enter the IP address obtained from the service provider, if you selected Static IP.
- **Static DNS:** specify if you want to manually enter the DNS (Domain Name Server) address; see the Server 1 option. If you want the address to be automatically assigned by the server, select **Off**.
- **Server 1:** enter the DNS addresses.
- **Traffic class:** select the traffic class.

> Press **More** and select **Save** to save the profile.

To use profile options

Press **More** to access the following options:

- **Edit:** edit the profile.
- **New connection:** add a new profile.
- **Delete:** delete the selected profile.
- **Delete all:** delete all profiles.

DRM key management (Menu 8.9)

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

Press **More** to access the following options:

- **Play/ view:** open the corresponding item.
- **Delete:** delete the selected licence key.
- **Delete all:** delete all licence keys.
- **Details:** access the properties of the licence key.

Memory settings (Menu 8.10)

Use this menu to check the amount of memory being used for storing data and clear the memory.

Master reset (Menu 8.11)

Use this menu to reset all the settings in your phone at the same time.

- > Select **Yes**.
- > Enter the phone password and select **Done**.

Note! The password is preset to 00000000. You can change this password. ► p. 47

The phone automatically **switches** itself off and then back on.

To access this menu, press **OK** in Idle mode and select **SIM services**.

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

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

Solve problems

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”

- Make sure that the SIM card is correctly installed.

“Enter Password”

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

“Enter PIN”

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

“Enter PUK”

- The PIN was entered incorrectly three times, and the SIM card is now blocked. Enter the PUK supplied by your service provider.

“No service” or “Network failure” 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

- Make sure that you have pressed **SEND**.
- Make sure that you have accessed the right cellular network.
- Make sure that you have not set an outgoing call barring option.

A caller cannot reach you

- Make sure that your phone is switched on. (Press **END** for more than one second.)
- Make sure that you are accessing the right cellular network.
- Make sure that you have not set an incoming call barring option.

Your voice is not heard at the other end

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

The phone beeps and “Low battery” flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

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

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

- Use the **Contact list** menu to ensure the number has been stored correctly.
- Store the number again, if necessary.

The battery does not charge properly or the phone sometimes **switches** 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 retailer.

SAR certification 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 Council 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 : Mode Head: 0.465W/Kg, Body-worn: 0.582W/Kg.

For body worn operations, this model phone has been tested and meets the FCC exposure guidelines when used 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 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 A3LSGHF310. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

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

What kinds of phones are the subject of this update?

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

Do wireless phones pose a health hazard?

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

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

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

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

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

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

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

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

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

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

What are the results of the research done already?

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

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

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

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

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that

high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

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

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

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

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

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

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

What about children using wireless phones?

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

distance between the user and the RF source will reduce RF exposure.

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

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

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

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

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

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of

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

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

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

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

Road Safety

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

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

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

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

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

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

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

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

Using Your Phone Near Other Electronic Devices

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

Pacemakers

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

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

Persons with pacemakers:

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

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

Hearing Aids

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

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

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

Posted Facilities

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

Potentially Explosive Environments

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

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

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

Emergency Calls

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

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

To make an emergency call:

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

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

When making an emergency call, remember to give all the necessary information as

accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

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

FCC Notice and Cautions

FCC Notice

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- 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 both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

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

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

Understanding the Power Save Feature

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

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

Maintaining Your Phone's Peak Performance

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

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

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.

- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features / Ring Tones

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

Battery Standby and Talk Time

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

Battery Precautions

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

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the

manufacturer's warranty, even if the warranty for your phone has not expired.

- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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Each Bang & Olufsen product purchased from an authorised Bang & Olufsen retailer carries a guarantee against defects in workmanship and materials.

The guarantor is the authorised Bang & Olufsen retailer or subsequently the national Bang & Olufsen representative. The guarantee period is 24 months.

The guarantee covers the repair costs (i.e. spare parts and labour costs) for the product. The guarantee also covers accessories. There is a 24-month right of claim on replaced and repaired parts.

The guarantee applies to the country of purchase. It will however also be met by authorized Bang & Olufsen dealers in other countries. However, as Bang & Olufsen telephone products are designed to function in the country for which they were produced, the guarantee applies to that country only. This is due to the variations in transmission standards and legal approvals from country to country.

The guarantee does not cover damage due to accidents, including damage by lightning, fire, water, transport, misuse or negligence.

Bang & Olufsen is not responsible for any indirect loss, or any consequential loss.

The guarantee does not cover costs of rental of replacement products and modifications required to adapt the product to different voltage or broadcasting standards. The replacement of e.g., batteries is not covered by the guarantee.

The guarantee is void if the product is repaired or modified other than by a person authorised by Bang & Olufsen or if the serial number has been removed from the product.

If you intend to use your audio/video product in another country, we recommend that you obtain information from your dealer on voltage and radio and television standards in the country you intend to move to. The dealer will advise you of possible modifications.

In Japan, North America, South America, Taiwan and South Korea, it is not possible to have repairs or modifications made to television sets or video recorders which have not been produced especially for use in these countries.

For the guarantee to be valid, a document is normally required stating the following:

- name of product and type number
- serial number
- date of purchase/delivery
- guarantee period
- stamp and signature of an authorised Bang & Olufsen retailer

Waste Electrical and Electronic Equipment (WEEE)



Environmental protection

The European Parliament and the Council of the European Union have issued the Waste Electrical and Electronic Equipment Directive. The purpose of the Directive is the prevention of waste of electrical and electronic equipment, and to promote the reuse and recycling and other forms of recovery of such waste. As such the Directive concerns producers, distributors and consumers.

The WEEE directive requires that both manufacturers and end-consumers dispose of electrical and electronic equipment and parts in an environmentally safe manner, and that equipment and waste are reused or recovered for their materials or energy.

Electrical and electronic equipment and parts must not be disposed of with ordinary household refuse; all electrical and electronic equipment and parts must be collected and disposed of separately.

Products and equipment which must be collected for reuse, recycling and other forms of recovery are marked with the pictogram shown.

When disposing of electrical and electronic equipment by use of the collection systems available in your country, you protect the environment, human health and contribute to the prudent and rational use of natural resources. Collecting electrical and electronic equipment and waste prevents the potential contamination of nature with the hazardous substances which may be present in electrical and electronic products and equipment.

Your Bang & Olufsen retailer will assist with and advise you of the correct way of disposal in your country.