

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

SAMSUNG ELECTRONICS





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SGH-F300

User's Guide



Important safety precautions



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

Drive safely at all times

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

Switch off the phone when refuelling

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

Switch off in an aircraft

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

Switch off the phone near all medical equipment

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

Interference

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



Be aware of special regulations

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

Water resistance

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

Sensible use

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

Emergency calls

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

Keep your phone away from small children

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

Accessories and batteries

Use only Samsung-approved batteries and accessories, such as headsets and PC data cables. Use of any unauthorised accessories could damage you or your phone and may be dangerous.

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



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

Never disassemble your phone

Never disassemble the phone for any reason. The battery pack could be damaged or electro-conductive materials could get into the phone, causing the serious damage the phone, as well as, causing the phone to be combustible.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 75.

About this Guide

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

In this guide, the following instruction icons appear:

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

- **Multimedia gate**
Use separated phone functions and Multimedia player functions, switching your phone's dual display.

Special features of your phone

- **Synchronisation with Windows Media Player**
Transfer music files to your phone directly from Windows Media Player.



- **Music player**
Play music files on your phone. You can use other phone functions while listening to music.



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



- **FM radio**
Listen to your favourite radio stations anytime, anywhere.



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



- **Offline mode**
Switch your phone to Offline mode to use its non-wireless functions while on an airplane.



- **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.



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



- **SOS message**
Send SOS messages to your family or friends for help in an emergency.



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



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

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Overview of menu functions

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

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- 8 Security ▶ p. 70
- 9 Connection settings ▶ p. 71
- 10 Reset settings ▶ p. 72

-
- 1. Available only if supported by your SIM card.
 - 2. Available only if a memory card is inserted.

Unpack

Make sure you have each item

- Phone
- Travel Adapter
- User's Guide

You can obtain various accessories from your local Samsung dealer.

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

Your phone

Keys, features, and locations



Get started

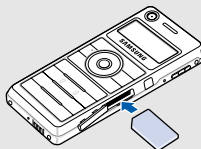
First steps to operating your phone

SIM card information

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

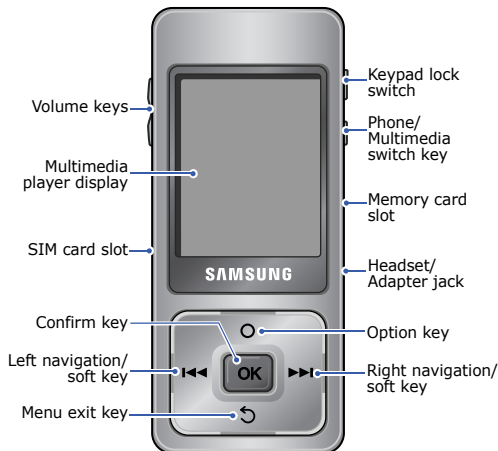
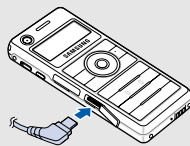
Assemble and charge the phone

1 Insert the SIM card.



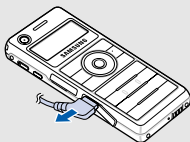
- Make sure that the gold-coloured contacts on the card are face down.
- Do not remove the SIM card when the phone is on.

2 Plug the travel adapter into the phone.



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

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



Low battery indicator

When the battery is low:

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

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

- ☒ Your phone's battery is non-replaceable. When the lifespan of the battery expires, bring the phone to a Samsung service centre to replace the battery.

Power on or off

Switch on

1. Press and hold [].
2. If necessary, enter the PIN and press <OK>.

Switch off

Press and hold [].



Do not switch on the phone when mobile phone use is prohibited.

Keypad lock

You can lock the keypad to prevent any unwanted phone operations, from accidentally pressing any of the keys.

In Idle mode, press  up. To unlock the keypad, press  down.

Offline mode

You can switch the phone to Offline mode, in which the phone functions requiring network connection are deactivated. This mode is helpful when you want to use your phone in a place where you are not allowed to use mobile devices, such as in an airplane or at a hospital.

To switch to Offline mode, press <**Menu**> and select **Settings** → **Phone settings** → **Offline mode** → **On**.

In Offline mode, you can use non-wireless functions, such as games, calendar, camera, and music player.

Switch between Phone mode and Multimedia Player mode

Your phone provides you with entertaining multimedia functions, as well as traditional phone functions.

When you switch on your phone, it goes into traditional Phone mode using the small display on the front side.

To switch the phone to Multimedia Player mode multimedia player functions, press [MP3@PHONE]. The larger screen on the rear side turns on.

Keys and icons

Phone keys



Perform the function indicated on the bottom line of the display.



In Idle mode, access your favourite menus directly. ► p. 63

In Menu mode, scroll through menu options.



In Idle mode, launch the web browser.
In Menu mode, select the highlighted menu option or confirm input.



Delete characters from the display or items in an application.



In Idle mode, press and hold to turn on the camera.



Make or answer a call.
In Idle mode, retrieve the numbers recently dialed, missed, or received.



Press and hold to switch the phone on or off.

End a call.

In Menu mode, cancel input and return the phone to Idle mode.



Enter numbers, letters, and some special characters.



Enter special characters or perform special functions.

Multimedia player keys



Scroll through items or perform a specific function, according to your actions: dragging, pressing, or holding.

► p. 18



Select the highlighted menu option or confirm input.

Take a photo, record a video or voice memo, or begin music playback.

Common keys



Lock or unlock the keys.



Switch between Phone mode and Multimedia Player mode.



Adjust the phone volume.

In Idle mode, adjust the key tone volume.

During a call, adjust the earpiece volume.

Icons

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



Received signal strength



Call in progress



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



SOS message feature active ► p. 53



Alarm set ► p. 41



Music playback in progress



Music playback paused



SMS message



MMS message



Voicemail



Configuration message



Call diverting feature active ► p. 67



Bluetooth active ► p. 68



Bluetooth headset connected ► p. 69



Browsing Internet ► p. 43



Connected to secured web page



Browsing Internet on PC using phone as modem



Synchronising data with PC Studio



GPRS network



Connecting to GPRS network



Transferring data in GPRS network



EDGE network



Connecting to EDGE network



Transferring data in EDGE network



Home Zone, if registered for the appropriate service



Office Zone, if registered for the appropriate service



Roaming network



Memory card inserted ► p. 17



Mute mode, during a call ► p. 34



Silent mode (Vibration)



Silent mode (Mute)



Call ringer set to vibrate ► p. 65



Phone speaker active



Keypad locked ► p. 8



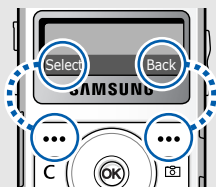
Battery power level

Access menu functions

In Phone mode

Use the soft keys

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



Press the left soft key to select the highlighted option.

Press the right soft key to return to the previous menu level.

Select an option

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

Use menu numbers

Press the number key corresponding to the option you want.

In Multimedia Player mode

You can access menu functions and options by touching or dragging on the multimedia player keys. Further details are described in “Multimedia player functions.” ► p. 18

Enter text

You can enter text for some features, such as Messages, Phonebook, or Calendar, using AB mode, T9 mode, Number mode, and Symbol mode.

- ☒ Entering text is only available in Phone mode. If you select an option requiring text input in Multimedia Player mode, the screen will automatically switch to the Phone mode display.

Change the text input mode

- Press and hold [*****] to switch between T9 mode (**T9Ab**) and AB mode (**Abc**). Depending on your country, you may also be able to access an input mode for your specific language.
- Press [*****] to change case or switch to Number mode (**123**).
- Press and hold [**#**] to switch to Symbol mode (**SYM**).

AB mode

Entering a word in AB mode

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

To enter the same letter twice or to enter a different letter on the same key, press [Right] or wait until the cursor moves to the right. Then, enter the next letter.

Other AB mode operations

- Press [**#**] to insert a space.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one.
- Press and hold [**C**] to clear the display

T9 mode

Entering a word in T9 mode

1. Press [**2**] to [**9**] to start entering a word. Press each key once for each letter.
2. Enter the whole word before editing or deleting characters.
3. When the word displays correctly, go to step 4. Otherwise, press [**0**] to display alternative word choices for the keys that you have pressed.
4. Press [**#**] to insert a space and enter the next word.

Other T9 mode operations

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

Adding a new word to the T9 dictionary

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

Number mode

Press the keys corresponding to the digits you want.

Symbol mode

1. Press [Up] or [Down] to display the symbols you want.
2. Press the corresponding number key to select the symbol you want.
3. Press [**OK**] to insert the symbols.

Customise your phone

Display language

1. In Idle mode, press <**Menu**> and select **Settings** → **Phone settings** → **Language**.
2. Select a language.

Call ringer melody

1. In Idle mode, press <**Menu**> and select **Settings** → **Sound settings** → **Incoming call** → **Ringtone**.
2. Select a ringtone category.
3. Select a ringtone.
4. Press <**Save**>.

Keytone volume

In Idle mode, press [Volume] to adjust the keytone volume.

Menu mode skin colour

You can change the colour for the display components, such as title bars and highlight bars.

1. In Idle mode, press <**Menu**> and select **Settings** → **Display settings** → **Skin**.
2. Select a colour pattern.

Menu shortcuts

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

1. In Idle mode, press <**Menu**> and select **Settings** → **Phone settings** → **Shortcuts**.
2. Select a key.
3. Select a menu to be assigned to the key.

Silent mode

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

In Idle mode, press and hold [#].

Phone lock

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

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

Make/Answer calls

Make a call

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

Answer a call

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

Adjust the volume during a call

Press [Volume].

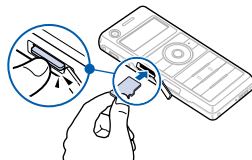
Use a memory card

Important memory card information

- Frequent erasing and writing will shorten a card's lifespan.
- Do not remove a card from the phone or turn off the phone while data is being accessed or transferred. This could result in loss of data and/or damage to the card or phone.
- Do not subject cards to strong shocks.
- Do not touch card terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Keep cards away from small children or pets.
- Do not expose cards in a place subject to electrostatic discharge and/or electrical noise.

Insert a memory card

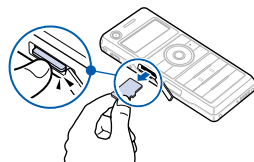
1. Insert the card into the card slot, with the label side face up.



2. Press the card until it locks into place.

Remove the memory card

1. Press the card so that it is disengaged from the phone.
2. Remove the card from the slot.

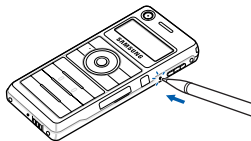


Reset the phone

If your phone freezes for any reason while using a phone function, you can easily reset it.

Reset the phone

Press and hold the reset button inside the hole on the left of the phone, using a sharp tool.



Multimedia player functions

Use multimedia functions: the music player, camera, media album, FM radio, and voice recorder

Use Multimedia player keys

How to use

Drag

Drag your finger in the direction of the arrow.



Scroll up or down on a list. Depending on your drag speed, the scroll interval may vary.



Scroll left or right through tabs.

Press

Lightly press and release the key.



Perform the following options:

- : Opens an option list.
- ◀◀ : Functions as the left soft/navigation key.
- ▶▶ : Functions as the right soft/navigation key.
- ↻ : Closes the current menu function.

Press

- Scrolls one by one on a list.
- Selects a check box or radio button.
- Controls a progressive bar.

Hold

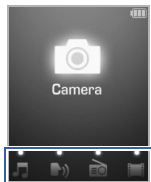
Press and hold.



Scrolls up or down on a list or moves backward or forward in a file continuously until you release your finger from the key.

Access menus or options**Access menu functions**

1. In Idle mode, drag left or right on the key to scroll through menu icons: **Music player, Camera, Album, FM radio, and Voice recorder.**



Multimedia player functions

2. Press **[OK]** to access the highlighted menu.
3. Press **[↵]** to exit the menu.

Select an option

1. In a menu, press **[O]** to open an option list.
2. Scroll up or down by dragging up or down on the key or pressing on a corner of the key.
3. Press **[OK]** to confirm the highlighted option.
4. After change the setting, press **[I<<]** () to save your changes.
5. Press **[↵]** to close the option list.

- ☒ When the Multimedia Player mode display turns off, press **[OK]** to turn the display on.

Play music

Copy music files to the phone

You can play .mp3, .aac, .aac+, and .wma files. Use these methods:

- Download from the wireless web ► p. 43
- Download from a computer using the optional Samsung PC Studio ► Samsung PC Studio User's Guide
- Receive via Bluetooth ► p. 70
- Copy from a memory card and insert the card into the phone ► p. 17
- Synchronise music files with Windows Media Player ► next section

Synchronise with Windows Media Player

You can copy music files to your phone by synchronising with Windows Media Player 10.

1. In Phone's Idle mode, press **<Menu>** and select **Settings** → **Phone settings** → **USB settings** → **MTP**¹.
2. Connect your phone and computer with an optional PC data cable.
3. Select **Synchronize media files to this device** when a pop-up window appears on your PC.
4. Select the **Sync** tab.
5. Click **Edit Playlist**.
6. Select the music files you want and click **OK**.
7. Click **Start Sync**.
8. When synchronisation is finished, disconnect the phone from the PC.

1. MTP (Media Transfer Protocol) is a protocol for transferring WMDRM (Window Media Digital Rights Management) media content with license keys, defined by Microsoft Corporation.

Play music files

1. In Multimedia Player's Idle mode, access **Music player**. Music starts automatically.
2. During playback, use the following options:
 - Press [**OK**] to pause or resume playback.
 - Press to return to the previous file.
 - Hold [**1<<**] to move backward in a file.
 - Press [**>>1**] to skip to the next file.
 - Hold [**>>1**] to move forward in a file.
 - Press [Volume] to adjust the volume.
 - Drag to the left or right on the key to access the all music list or check the music player settings.
3. Press [**5**] to stop playback.

Use an optional Bluetooth stereo headset

1. From the music player screen, press [**O**] to open the option list.
2. Select **Play via → Bluetooth headset**. The screen switches to Phone mode display.

3. Select your Bluetooth stereo headset.
4. Enter the headset's Bluetooth PIN, **0000**, and press **<OK>**.
5. Press [**MP3@PHONE**] to return the screen to the Multimedia player display.
6. Press [**OK**] to begin playback. Sound output switches to the headset.

Set up your favourite music list

1. From the music player screen, press [**O**] to open the option list.
2. Select **Open playlist**.
3. Press [**O**] and select **Add to favourite list → Multiple**.
4. Press [**OK**] to select the music files you want.
5. When you have finished, press [**>>1**] to access your favourite music list.
6. Press [**OK**] to begin playback.

Create a play list

1. From the music player screen, press [O] to open the option list.
2. Select **Open playlist**.
3. Press [▶▶I] to access the favourite music list.
4. Select **Create playlist**.
5. Press [O] and select **Add music from** → a source category.
6. Press [OK] to select the music files you want.
7. When you have finished, press [▶▶I].
8. To change the track order, press [O] and select **Move track in playlist**.
9. Select the file you want.
10. Move the file to the position you want by dragging up or down on the key.
11. Press [▶▶I] to save the changes and return to the play list you just created.
12. Press [OK] to begin playback.

Select a play list

While you using the music player, music files are sorted automatically on the most played music list or recent music list. In addition to play lists you have created, use those play list to listen to your favourite music easily and quickly.

1. From the music player screen, press [O] to open the option list.
2. Select **Open playlist**.
3. Press [▶▶I] to access the favourite music list.
4. Press [O] and select **Open** → the play list you want.
5. Press [OK] to begin playback.

Use player options

From the music player screen, press [O]. Depending on the current play list, available options vary:

- **Transfer to phone/Bluetooth stereo headset:** switch sound output to the phone speaker or a Bluetooth stereo headset.
- **Play via:** begin playback via the phone speaker or a Bluetooth stereo headset.
- **Stop:** stop playback.
- **Add to Favourites:** add the current file to your favourite music list.
- **Add to other list:** add the current file to another play list.
- **Remove from playlist:** remove the current file from the play list.
- **Open playlist:** open the current play list.
- **Activate key:** get a new license key from the corresponding website.

- **Details:** access the file properties.
- **Key management:** manage license keys.
- **Settings:** customise the music player settings.
▶ next section

Customise music player settings

From the music player screen, press [O] and select **Settings**.

- **Repeat mode:** select a repeat mode type.
- **Shuffle:** set the music player to play tracks in random order.
- **Music overrides other sounds:** set the music player to continue playback when you exit it.
- **Equaliser type:** select an equaliser setting.
- **3D sound:** turn 3D sound on or off.
- **Album art:** set the music player to display album information.

Use the camera

- ☑ • Do not take photos of people without their permission.
- Do not take photos in a place where cameras are not allowed.
- Do not take photos in a place where you may interfere with another person's privacy.
- When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

Take a photo

1. In Idle mode, access **Camera**. The display is activated as a viewfinder.
2. Aim the lens at the subject and make any desired adjustments. ► next section
3. Press [**OK**] to take a photo. The photo is saved automatically.
4. Press [**I◀◀**] to return to the viewfinder, or press [**▶▶I**] to delete the photo.

Adjust a camera image

In Capture mode, adjust the image to be captured:

- Press [Volume Up] to flip the image vertically.
- Press [Volume Down] to view the mirror image.
- Drag up or down on the right side of the key to adjust the brightness.
- Drag up or down on the left side of the key to zoom in or out.
- Press [**I◀◀**] to switch the viewfinder to the Phone mode display.
- Press [**O**] or drag to the right on the key to access an option list and change the camera settings.
- Press [**▶▶I**] to switch to Record mode. ► p. 26

Take a multi-shot photo

1. In Capture mode, press [O] to open the option list.
2. Select **Shooting mode** → **Multi-shot** → the number of photos.
3. Aim the lens at the subject and make any desired adjustments.
4. Press [OK] to take a photo.
5. Press [1◀◀] to return to the viewfinder, or press [▶▶1] to delete the photo.

Take a mosaic photo

1. In Capture mode, press [O] to open the option list.
2. Select **Shooting mode** → **Mosaic shot** → a layout.
3. Aim the lens at the subject and make any desired adjustments.
4. Press [OK] for each shot until you fill all sections of the photo.
5. Press [1◀◀] to return to the viewfinder, or press [▶▶1] to delete the photo.

Customise the camera settings

In Capture mode, press [O] to open the option list.

- **Shooting mode:** take a photo using several modes.
- **Size:** select an image size.
- **Timer:** set a time delay before the camera takes a photo.
- **Effects:** change the colour tone or apply a special effect.
- **Frames:** apply a decorative frame.
- **White balance:** adjust the colour temperature of the camera.
- **ISO:** change the ISO setting, which controls the sensitivity of your camera. For low light situations, select a higher ISO number.
- **Viewfinder mode:** select a preview screen.

In Capture mode, drag to the right on the key to open the option list.

- **Quality:** select an image quality setting.

- **Single shot mode:** set whether the camera saves photos automatically in Single Shot mode.
- **Multi-shot mode:** select the shooting speed in Multi Shot mode.
- **Shutter sound:** select the sound that you hear when you press the shutter release key.
- **Zoom sound:** turn the sound effect for zooming on or off.
- **Brightness sound:** turn the sound effect for brightness adjustment on or off.

View photos

1. In Capture mode, drag to the left on the key to open the **My photos** list.
2. Select a photo from the list.
3. Press [**◀◀**] or [**▶▶**] or drag to the left or right on the key to view other photos.

Record a video



Recording videos is only available in Multimedia Player mode.

1. In Capture mode, press [**▶▶**] to switch to Record mode.
2. Aim the lens at the subject and make any desired adjustments.
3. Press [**OK**] to start recording.
4. Press [**OK**] to stop recording. The video is saved automatically.
5. Press [**OK**] to review the video.
6. Press [**◀◀**] to return to the viewfinder, or press [**▶▶**] to delete the video.

Adjust a camcorder image

In Record mode, adjust the image to be recorded:

- Press [Volume Up] to flip the image vertically.
- Press [Volume Down] to view the mirror image.
- Drag up or down on the right side of the key to adjust the brightness.
- Drag up or down on the left side of the key to zoom in or out.

- Press [**⏮**] to switch the viewfinder to the Phone mode display.
- Press [**O**] or drag to the right on the key to access an option list and change the camcorder settings.
- Press [**⏭**] to switch to Capture mode. ▶ p. 24

Customise the camcorder settings

In Record mode, press [**O**] to open the option list.

- **Size:** select a frame size.
- **Timer:** set a time delay before the camera starts recording.
- **Effects:** change the colour tone or apply a special effect.
- **Frames:** apply a decorative frame.
- **White balance:** adjust the colour temperature of the camera.
- **Record audio on/off:** record a video with audio.
- **Recording mode:** select a video recording mode
- **Viewfinder mode:** select a preview screen.

In Record mode, drag to the right on the key to open the option list.

- **Quality:** select an image quality setting.
- **Zoom sound:** turn the sound effect for zooming on or off.
- **Brightness sound:** turn the sound effect for brightness adjustment on or off.

Play videos

1. In Record mode, drag to the left on the key to open the **My video clips** list.
2. Select a video clip from the list.

View photos and videos in Album

View photos

1. In Idle mode, access **Album**. By default, the Images screen opens.
2. Select an image folder.
3. Select a photo.
4. Press [**OK**] to view the photo on a full screen.
5. Press [**◀◀**] or [**▶▶**] or drag to the left or right on the key to view other photos.

View photos as a slide show

1. From the Images screen, select a photo folder.
2. Select a photo.
3. Press [**O**] to open the option list.
4. Select **Slide show** → an interval between photos. The slide show begins.

Play videos

1. In Idle mode, access **Album**.
2. Drag to the left or right on the key to access **Videos**.
3. Select a video folder.
4. Select a video file. The video plays.
5. During playback, use the following options:
 - Press [**OK**] to pause or resume playback.
 - Press [**◀◀**] to move to the previous file.
 - Hold [**◀◀**] to move backward in a file.
 - Press [**▶▶**] to move to the next file.
 - Hold [**▶▶**] to move forward in a file.
 - Press [Volume] or drag up or down on the key to adjust the volume.
6. Press [**⏏**] to stop playback.

Customise video player settings

From a video list, press [O] and select **Settings**.

- **View mode settings:** set the video player to play video clips on a full screen.
- **Brightness settings:** adjust the brightness of the video player screen.

Listen to the FM radio

To listen to the FM radio, you must connect a headset, which serves as a radio antenna, to your phone.

Listen to the FM radio

1. Plug the connector of the supplied headset into the headset/adaptor jack.
2. In Idle mode, access **FM radio**.
3. Press [OK] to turn on the FM radio.
4. Press [◀◀] or [▶▶] to scan the frequencies to find available radio stations.

Switch between the phone speaker and headset

5. While listening to the FM radio:
 - Press [Volume] or drag up or down on the key to adjust the volume.
 - Press [O] and select **Add to preset channels** to add the current station to the channel list.
 6. Press [OK] or remove the headset from the phone to turn the FM radio off.
1. From the FM radio screen, press [O] to open the option list.
 2. Select **Speaker On**. Sound output switches to the phone speaker.
 3. To switch back to the headset, press [O] and select **Earphone On**.

Set up a radio station list

Using self-tuning:

1. From the FM radio screen, drag to the left on the key.
2. Select **Self tuning**. The phone saves available stations.

Adding radio stations manually:

1. From the FM radio screen, drag to the left on the key.
2. Select **Add more**.
3. Select **Auto** and scroll through available stations and press **[OK]** when you find the station you want. Select **Manual**, scroll to the frequency of the station you want, and press **[OK]**.
4. When you have finished, press **[I◀◀]** to return to the FM radio screen.

Listen to the saved stations

1. From the FM radio screen, drag to the right on the key.
2. Select **Preset channels only** → **On** to set the FM radio to only scrolls through the radio stations stored on the channel list.
3. Press **[I◀◀]** or **[▶▶I]** to scroll to the station you want to listen to.

Set a radio alert

You can set the FM radio to turn on with the station you want at a specified time.

1. From the FM radio screen, drag to the left on the key to open channel list.
2. Scroll to a saved radio station.
3. Press **[O]** and select **Programme reminder**. The screen switches to the Phone mode display.
4. Select an alert number.
5. Select **On** from the **Alarm** line and set each option.

6. Press <**Save**> to save the alert settings.
7. When you have finished, press <**Back**>. The screen switches back to the Multimedia player mode display.

When the specified time for a radio alert comes, a pop-up window appears indicating the specified frequency. Press [**1<<**] to listen to the corresponding radio station.

Use the voice recorder

Record a voice memo

1. In Idle mode, access **Voice recorder**.
2. Press [**OK**] to start recording.
3. Speak into the microphone.
4. When you have finished recording, press [**5**]. The voice memo is automatically saved.
5. Press [**OK**] to review the voice memo, or press [**0**] to record other voice memos.

Review a voice memo

1. From the voice recorder screen, press [**0**] to open the option list.
2. Select **Go to My voice clips**.
3. Select a voice memo. The voice memo plays.
4. During playback, use the following options:
 - Press [**OK**] to pause or resume playback.
 - Press [**1<<**] to move to the previous memo.
 - Hold [**1<<**] to move backward in the memo.
 - Press [**>>1**] to move to the next memo.
 - Hold [**>>1**] to move forward in the memo.
 - Press [Volume] or drag up or down on the key to adjust the volume.
5. Press [**5**] to stop playback.

Call functions

Advanced calling features

Making a call

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



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

2. Press [↵].
3. When you want to end the call, press [⏏].

Making an international call

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

Redialling recent numbers

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

Making a call from Phonebook

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

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

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

1. In Idle mode, enter a location number and press [#].
2. Press [Left] or [Right] to scroll through other numbers.
3. Press <Dial> or [↵] to dial the number you want.

Answering a call

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

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

Tips for answering a call

- When **Anykey answer** is active, you can press any key, except for <Reject> and [⏏]. ► p. 64
- Press <Reject> or [⏏] to reject a call.
- Press and hold [Volume] to reject a call or mute the ringer, depending on the **Volume key** setting. ► p. 64

Viewing missed calls

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

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

Using the headset

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

Connect the headset to the jack on the left side of the phone. The button on the headset works as follows:

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

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

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

Press [Volume Up] to increase the volume level and [Volume Down] to decrease the volume level.

Placing a call on hold/Retrieving

Press <**Hold**> to place a call on hold, or press <**Retrieve**> to retrieve the call.

Making a second call

You can make another call if your network supports this function.

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

Answering a second call

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

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1. Press [> to answer the call. The first call is automatically put on hold.
2. Press <**Swap**> to switch between the calls.
3. Press <**Options**> and select **End held call** to end the call on hold.
4. To end the current call, press [].

Using In-call options

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

- **Mute/Unmute:** switch off the phone's microphone so that the other person on the phone cannot hear you, or switch it back on.
- **Phonebook:** access the contact list.
- **Mute keys/Send keys:** switch the key tones off or on.

☒ To communicate with answering machines or computerised telephone systems, **Send keys** must be selected.

- **Send DTMF:** send the DTMF (Dual tone multi-frequency) tones as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.
- **Create message:** send an SMS message to the person with whom you are talking, or access received or sent messages.
- **Call transferred to BT/Call transferred to phone:** transfer the call to a Bluetooth headset or hands-free car kit, or back to the phone. To use this feature, you first need to connect your headset or car kit to the phone. ► p. 69

- **SIM service:** access special services, such as news, weather forecasts, entertainment, and location services, provided by your SIM card. This option is available when you use a SIM card supporting SIM Application Toolkit menus.
- **Join:** set up a multi-party call by adding a caller on hold to a currently active call. You can include up to 5 people on a multi-party call.
- **Split:** have a private conversation with one multi-party call participant. The other participants can converse with each other. After the private conversation, select **Join** to return both private participants to the multi-party call.
- **Remove:** disconnect one multi-party call participant.

Menu functions

All menu options listed

Call log (Menu 1)

Use this menu to view the calls you have dialled, received, or missed, and the length of the calls. You can also check the cost of your calls, if your SIM card supports this function.

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

Recent contacts (Menu 1.1)

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

Accessing a call log

1. Press [Up] or [Down] to scroll through the call list.
2. Press [**OK**] to view the details of a call, or [**↶**] to dial a number.

Using call log options

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

- **Call**: edit the number and dial it.
- **Add to Phonebook**: save the number to Phonebook.

- **Send**: send an SMS or MMS message to the selected number.
- **Delete**: delete the selected call log or all logs.

Missed calls (Menu 1.2)

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

Dialled calls (Menu 1.3)

This menu displays the most recent calls you have dialled.

Received calls (Menu 1.4)

This menu displays the most recent calls you have received.

Delete all (Menu 1.5)

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

1. Press [**OK**] to select the call types to be cleared.
2. Press **<Delete>**.
3. Press **<Yes>** to confirm the deletion.

Call time (Menu 1.6)

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

- **Last call time**: check the length of your last call.

- **Total dialled calls:** check the total length of all the calls you have dialled.
- **Total received calls:** check the total length of all the calls you have received.

To reset the call timers, press **<Reset>**. You need to enter the phone password.

- ☒ The password is preset to **00000000**. You can change this password. ► p. 70

Call costs (Menu 1.7)

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

- **Last call cost:** check the cost of your last call.
- **Total cost:** check the total cost of all of your calls. If the total cost exceeds the maximum cost set in **Set max. cost**, you must reset the counter before you can make another call.
- **Max. cost:** check the maximum cost limit.
- **Reset counters:** reset the cost counters.
- **Set max. cost:** set the maximum cost authorised for your calls.
- **Price/Unit:** set the price per unit that is applied when the cost of your calls is calculated.

Phonebook (Menu 2)

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

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

Contact list (Menu 2.1)

Use this menu to search for contacts in Phonebook.

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

Finding a contact

1. Enter the first few letters of the name that you want to find.
2. Select a contact from the list.
3. Scroll to a number and press [**↵**] to dial, or press [**OK**] to edit contact information.

Finding a contact in Idle mode

You can find contacts in Idle mode, by the spelling of a contact name. The phone searches for the contact names starting with the letters labelled on any of the keys you pressed.

1. In Idle mode, press the number keys containing the letters you want.

2. Press [**OK**], or press <**Options**> and select **Search as spelling**.
The phone searches Phonebook for the matching contacts and shows results.

Using Phonebook options

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

- **View**: view contact information of the selected contact.
- **Send message**: send an SMS or MMS message to the selected number, or an MMS message to the selected address.
- **Create contact**: add a new contact to Phonebook.
- **Send via**: send the contact via SMS, MMS, or Bluetooth.
- **Delete**: delete the selected contact or all contacts.
- **Switch screens**: switch the screen to the Multimedia Player mode display. You can scroll through contacts by dragging on the key.

☒ If you press [**⏮**] to make a call in Multimedia Player mode, the screen switches back to the Phone mode display.

Create contact (Menu 2.2)

Use this menu to add a new contact to Phonebook.

Storing a contact in the phone's memory

1. Select **Phone**.
2. Change the settings or enter information about the contact.
 - **First name/Last name**: assign a name.
 - **Mobile/Home/Office/Fax/Other**: add a number in any type.
 - **Email**: assign an e-mail address.
 - **Caller ID**: assign an image to alert you to a call from the person.
 - **Ringtone**: assign a ringtone to alert you to a call from the person.
 - **Group**: assign the number to a caller group.
 - **Note**: add a memo about the person.
3. Press <**Save**> to save the contact.

Storing a contact on the SIM card

1. Select **SIM**.
 2. Enter information about the contact.
 - **Name**: assign a name.
 - **Phone number**: add a number.
 - **Location**: assign a location number.
- ☒ To assign a caller ID image or video, ringtone, or group, the contact must be saved to the phone's memory.
3. Press <**Save**> to save the contact.

Group (Menu 2.3)

Use this menu to organise your contacts in caller groups.

Creating a new caller group

1. Press <**Options**> and select **Create group**.
2. Enter a name for the group.
3. Select the caller ID line and set an image or a video clip.
4. Select the ringtone line and set a ring tone.
5. Press <**Save**> to save the group.

Adding members to a caller group

1. Select a group.
2. Press <**Add**>.
3. Press [**OK**] to select the contacts to be added.
4. Press <**Select**>.

Managing caller groups

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

- **View**: display the members of the selected group.
- **Create group**: add a new group.
- **Edit**: change the group properties.
- **Send message**: send an SMS or MMS message to the group members you want.

- **Delete**: delete the selected group or all groups. Group members, however, will not be deleted from Phonebook.

Speed dial (Menu 2.4)

Use this menu to assign a speed dial number (2 to 9) for 8 of your most frequently dialled numbers.

Assigning speed dial numbers

1. Select a key location from **2** to **9**. Key **1** is reserved for your voicemail server.
2. Select a contact from the contact list.
3. Select a number, if the contact has more than one number.

Managing speed dial entries

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

- **Add**: assign a number to an unassigned key.
- **View**: check the name and number assigned to a key.
- **Change**: assign a different number to a key.
- **Remove**: clear the speed dial setting for a key.

Dialling speed dial numbers

In Idle mode, press and hold the appropriate key.

My namecard *(Menu 2.5)*

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

Saving your name card

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

Using name card options

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

- **Edit**: edit the name card.
- **Send via**: send the name card via SMS, MMS, or Bluetooth.
- **Exchange namecard**: exchange name cards with another person via Bluetooth.
- **Delete**: delete the name card.

Own number *(Menu 2.6)*

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.

Management *(Menu 2.7)*

Use this menu to manage contacts in Phonebook.

- **Save new contact to**: select a default memory location for saving contacts. If you select **Always ask**, the phone will ask you to select a memory location each time you save a number.
- **Copy all to**: copy all of the contacts stored on the SIM card to the phone's memory, or vice versa.
- **Delete all**: delete all of the contacts from your phone's memory, your SIM card, or both.
- **Memory status**: check the number of contacts you have stored in the phone's memory and on the SIM card.

Service number *(Menu 2.8)*

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

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

Applications (Menu 3)

Use this menu to play music files or play Java games. You can also use convenient features, such as voice recorder, alarm clock, calculator, converter, and stopwatch.

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

Voice recorder (Menu 3.1)

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

Recording a voice memo

1. Press **[OK]** to start recording.
2. Speak into the microphone.
Press **[OK]** to pause or resume recording.
3. Press **<Stop>** or **[Down]** to end recording. The voice memo is saved automatically.
4. Press **[OK]** to review the voice memo.

Playing a voice memo

1. From the Voice recorder screen, press **<Options>** and select **Go to My voice clips**.
2. Select a voice memo.

During playback, use the following keys:

Key	Function
OK	Pauses or resumes playback.
Left	Returns to the previous memo. Moves backward in a memo when held down.
Right	Skips to the next memo. Skips forward in a memo when held down.
Volume	Adjusts the volume.
Down	Stops playback.

Using voice memo options

After recording or playing a voice memo, press **<Options>** to access the following options:

- **Play:** play the selected voice memo in Review mode.
- **Record:** record a new voice memo.
- **Go to My voice clips:** access the voice memo list.
- **Send via:** send the file via MMS or Bluetooth.
- **Delete:** delete the file.
- **Rename:** change the file name.
- **Details:** access the file properties.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.

World clock (Menu 3.2)

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

Viewing world time

1. Press [Up] or [Down] twice.
2. Press [Left] or [Right] to scroll to the city you want. As the time line moves, the time and date of the given zone display
3. Press [OK] to save the city as your local time zone.

Applying daylight saving time

1. From the world time list, press <Options> and select **Apply daylight saving time**.
2. Press [OK] to select the time zones you want.
3. Press <Save>.

Alarm (Menu 3.3)

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

Setting an alarm

1. Select the type of alarm.
2. Set each alarm option:
 - **Alarm**: activate the alarm.
 - **Alarm time**: enter the time for the alarm to ring.

- **AM/PM**: set **AM** or **PM** in 12-hour format.
- **Repeat**: select a repeat option.
- **Alarm tone**: select an alarm tone.

3. Press <Save>.

Stopping an alarm

- For a non-wake-up alarm, press any key.
- For a wake-up alarm, press <Confirm> or [OK]. Press any key, except for <Confirm> and [OK], to cause it to sound again after 5 minutes. You can do this a maximum of 5 times.

Deactivating an alarm

1. Select the alarm you want to deactivate.
2. Select **Off** on the **Alarm** line.
3. Press <Save>.

Setting alarms to sound when the phone is off

From the Alarm screen, select **Auto power** → **On**.

If the phone is off when it is time for the alarm to sound, the phone switches on and sounds the alarm.

Timer (Menu 3.4)

Use this menu to set a period of time for the phone to count down. The phone sounds an alarm when the specified period of time expires.

Starting the timer

1. Press <Set>.

2. Enter the length of time you want to count down and press **<OK>**.
3. Press **[OK]** to start counting down.

Stopping the timer

- Press any key when the timer alert appears.
- Press **[OK]** on the timer screen to stop the timer before it rings.

Stopwatch *(Menu 3.5)*

Use this menu to measure elapsed time. The maximum time is 10 hours.

1. Press **[OK]** to start the stopwatch.
2. Press **[OK]** to check an interval. You can repeat this step for a total of 4 intervals.

Memo *(Menu 3.6)*

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

Creating a memo

1. Press **<Options>** and select **Create**.
2. Enter the memo text and press **[OK]**.

Viewing a memo

1. Select the memo you want to view.
2. Press **[Left]** or **[Right]** to view other memos.

Using memo options

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

- **Edit**: change the memo text.
- **Send via**: send the selected memo via SMS, MMS, or Bluetooth.
- **Delete**: delete the memo.
- **Memory status**: check how many memos you have created.

SIM AT *(Menu 3.7)*

This menu is available if you use a SIM AT 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.

Browser (Menu 4)

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

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

- ☒ Web browsing is only available in the Multimedia Player mode display. When you select an option for accessing a website in Phone mode, the screen automatically switches.

Home (Menu 4.1)

Use this menu to connect your phone to the network and load the homepage of the wireless web service provider. You can also press [**OK**] in Idle mode. The screen switches to the Multimedia Player mode display and the homepage opens.

Navigating the web

From the web browser:

- Drag on the key to scroll through browser items.
- Press [**OK**], or [**O**] and select **Open** to select a browser item.
- Press [**O**] and select **Go** → **Back** to return to the previous page.
- Press [**O**] and select **Go** → **Forward** to move to the next page.

Using page options

From any web page, press [**O**] to access the following options:

- **Open**: access the linked web page.
 - **Go to homepage**: return to the homepage.
 - **Keys to buy**: send a request for buying a licence key for a DRM file. This option will be available only when you access the web browser from a message containing a DRM file.
 - **Enter URL**: enter a URL address manually.
 - **Go**: move backward or forward through pages in history.
 - **Reload**: reload the current page with updated information.
 - **Bookmarks**: bookmark the current page or access the bookmark list.
 - **Copy URL to**: send the URL of the current page via SMS. The screen switches back to the Phone mode display, allowing you to compose a message.
 - **To SmartFit view/To Desktop view**: change the display mode of the browser.
 - **Save**: save the selected image or page.
 - **Page details**: access the page properties.
 - **Browser options**: change the various settings for the browser.
- Cache**: change the cache mode or clear the cache. The cache is a temporary memory site that stores recently accessed web pages.

Cookies: change the cookie acceptance mode or delete cookies. Cookies are pieces of personal information sent to a web server while navigating the web.

Preferences: change the browser display and sound settings.

Certificates: access certificate information.

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

- **Exit:** closes the web browser.

Exiting the browser

Press [O] and select **Exit** to end the network connection and close the browser. The screen will switch to the Phone mode display.

Enter URL (Menu 4.2)

Use this menu to manually enter a URL address and access the associated web page.

You can add the entered URL to the bookmark list by selecting **Add bookmark**.

Bookmarks (Menu 4.3)

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

Adding a bookmark

1. Press <**Add**>. If a bookmark has already been saved, press <**Options**> and select **Add bookmark**.

2. Enter a title for the bookmark and press [Down].
3. Enter a URL address and press <**Save**>.

Accessing a bookmarked page

Selecting a bookmark item launches the web browser and accesses the associated web page.

Using bookmark options

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

- **Open:** access the bookmarked web page.
- **Go to homepage:** access the homepage.
- **Enter URL:** enter a URL address manually.
- **Edit bookmark:** edit the URL address and title of the bookmark.
- **Add bookmark:** add a new bookmark.
- **Send URL:** send the URL address of the bookmark via SMS.
- **Delete:** delete the selected bookmark or all bookmarks.

Saved pages (Menu 4.4)

You can access the list of pages you have saved while online.

If you select a link on the page, the screen switches to the Multimedia Player mode display and the phone switches to online to access the linked page.

History (Menu 4.5)

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

Select a URL from the list to access the corresponding web page. The screen switches to the Multimedia Player mode display.

Clear cache (Menu 4.6)

Use this menu to clear information stored in the cache, a temporary memory site that stores recently accessed web pages.

Browser settings (Menu 4.7)

Use this menu to select a connection profile to be used for accessing the wireless web. You can also create or edit a profile. ► p. 71

Messages (Menu 5)

Use the **Messages** menu to send and receive text messages and multimedia messages. You can also access push messages and cell broadcast messages.

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

Create message (Menu 5.1)

Use this menu to create and send messages.

Text message (Menu 5.1.1)

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

Creating and sending an SMS message

1. Enter your message and press [OK].

-  The maximum number of characters allowed in a message varies by service provider. If your message exceeds the maximum number of characters, the phone will split the message.
 - You can use various options by pressing <Options>. ► next section
2. Enter a destination number.

To send the message to more than one recipient, fill in additional destination fields.
3. Press [OK] to send the message.

Using options while composing an SMS message

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

- **Send only:** just send the message.
- **Save and send:** send the message and then save it in the **Sentbox** folder.
- **Insert:** add a template, Phonebook entry, or bookmark.
- **Add image/Add animation/Add melody:** attach a simple image, an animated image, or a melody.
- **Attach:** attach a Phonebook entry as a name card or a calendar data as a data format attachment.
- **Save in:** save the message in another message folder.
- **Input language:** change the language to be used in T9 input mode.
- **Text style:** change the text attributes.
- **Input method:** change the text input mode.

Multimedia message (Menu 5.1.2)

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

Creating and sending an MMS message

1. Select the **Subject** line.



You can use various options by pressing **<Options>** in each field. ► next section

2. Enter the message subject and press **[OK]**.
3. Select the **Image or video** line.
4. Select **Add image** or **Add video** and add an image or a video clip.



- The maximum size allowed for a message can differ, depending on your service provider.
- Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.

5. Select the **Sound** line.
6. Select **Add sound** and add a sound clip.
7. Select the **Message** line.
8. Enter the message text and press **[OK]**.
9. When you have finished, press **<Options>** and select **Send**.
10. Enter a phone number or an e-mail address.
To send the message to more than one recipient, fill in additional destination fields.
11. Press **[OK]** to send the message.

Using options while composing an MMS message

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

- **Add:** add the message subject or message text.
- **Add image/Add video/Add sound:** add a image, video clip, or sound clip.
- **Change image/Change video/Change sound:** replace an added item.
- **Edit:** edit the message subject or text.
- **Preview:** view the message as it will be shown on the recipient's phone.
- **View:** open the selected attachment.
- **Send:** send the message.
- **Save in:** save the message in another message folder.
- **Add page:** add pages. Move to each page by pressing [Left] or [Right].
- **Delete page:** delete an added page.
- **Edit page:** change the duration of page display or move the page forward among the other pages.
- **Attach:** attach a Phonebook entry as a name card, a calendar data as a data format attachment, or a document file stored in the **Other files** folder.
- **Remove subject/Remove message/Remove media/Remove sound/Remove:** remove an added item.

My messages (Menu 5.2)

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

Inbox (Menu 5.2.1)

This folder stores all of the messages you have received.

Viewing a message

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

-  SMS
 -  MMS
 -  MMS notification (: Being retrieved, : Failed to retrieve)
 -  Voicemail
 -  Push message from web servers or Configuration message containing network parameters from your service provider
 -  CB (Cell broadcast) message from your service provider
 -  Delivery report for your sent messages
- ☒ • Depending on the DRM (Digital Rights Management) system, messages having web content may not be able to be forwarded.
 - A ! icon next to a message means that the message is of high priority. A grey-coloured message icon indicates low priority.

Using message options

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

SMS messages

- **Reply via text message:** reply to the sender via SMS.
- **Reply via multimedia message to:** reply to the sender via MMS.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Forward:** forward the message to other people.
- **Delete:** delete the message.
- **Move to phone/Move to SIM:** move the message between the SIM card and the phone's memory.
- **Cut address:** extract URL addresses, e-mail addresses, or phone numbers from the message.
- **Cut media:** save media content from the message to your phone's memory.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message. You can protect only those messages stored in the phone's memory.

- **Add to Block list:** add the sender's number to the block list to reject the messages from the sender.

MMS messages

- **Retrieve:** retrieve the MMS message from the MMS server.
- **Reply via text message:** reply to the sender via SMS.
- **Reply via multimedia message to:** reply to the sender or all of the recipients of the message, including the sender, via MMS.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Forward:** forward the message to other people.
- **Delete:** delete the message.
- **Cut address:** extract URL addresses, e-mail addresses, or phone numbers from the message.
- **Attached items:** save media content from the message to your phone's memory.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.
- **Details:** access the message properties.

Configuration messages

- **Install:** apply the configuration specified in the message to your phone.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Delete:** delete the message.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.

Push messages

- **Go to URL:** connect to the URL address specified in the message.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Cut address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.

Broadcast messages

- **Save:** save the message to the phone's memory.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Cut address:** extract URL addresses, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.

Delivery reports

- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Cut address:** extract URL addresses, e-mail addresses, or phone numbers from the report.
- **Delete:** delete the report.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.

Drafts (Menu 5.2.2)

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

When you select a message, it opens in Edit mode so that you can edit and send the message.

Outbox (Menu 5.2.3)

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

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

- **Send again:** retry sending the message.
- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Forward:** forward the message to other people.
- **Cut address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.
- **Move to phone/Move to SIM:** move the message between the SIM card and the phone's memory.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.
- **Details:** access the message properties.

Sentbox (Menu 5.2.4)

This folder stores messages that you have sent.

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

- **Switch screens:** switch the message screen to the Multimedia Player mode display. You can then drag up or down on the key to scroll up or down on the message screen, or drag left or right on the key to view other messages.
To return to the Phone mode display, press [MP3@PHONE].
- **Forward:** forward the message to other people.
- **Cut address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.
- **Move to phone/Move to SIM:** move the message between the SIM card and the phone's memory.
- **Lock/Unlock:** lock the message to prevent it from being deleted, or unlock the message.
- **Details:** access the message properties.

My folders (Menu 5.2.5)

Use this menu to create new folders and organise your messages.

Creating a folder

1. Press <Yes>.
2. Enter a folder name and press <OK>.

Using folder options

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

- **Open:** open the selected folder.
- **Create folder:** add a new folder.
- **Rename folder:** change the folder name.
- **Delete:** delete the selected folder.

Templates *(Menu 5.3)*

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

Text message templates *(Menu 5.3.1)*

You can create SMS templates with the sentences you use frequently so that you can retrieve and insert them when composing an SMS message.

Creating a template

1. Select an empty location.
2. Enter a message and press **<OK>**.

Using template options

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

- **Edit:** edit the selected template.
- **Send message:** create and send a new message using the selected template.
- **Delete:** delete the selected template.
- **Add new:** add a new template.

Multimedia message templates *(Menu 5.3.2)*

You can access embedded MMS templates or ones you have saved so that you can use them when composing an MMS message.

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

- **View:** open the selected template.
- **Edit:** create and send a new message using the selected template.
- **Send message:** send the selected template.
- **Delete:** delete the selected template or all templates, except for the embedded ones.

Delete all *(Menu 5.4)*

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

1. Press **[OK]** to select the message folders to be cleared.
Pressing the key twice displays the message types so that you can specify the ones to be cleared.
2. Press **<Delete>**.
3. Press **[OK]** to select the check box to delete protected messages, and then press **<Yes>**.
4. Press **<Yes>** to confirm the deletion.

Settings (Menu 5.5)

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

Text messages (Menu 5.5.1)

You can configure SMS settings.

- **Send settings:** set up the options for sending SMS messages:

Reply path: allow recipients to reply to you through your SMS server.

Delivery report: set the network to inform you when your messages have been delivered.

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.

Use of 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.

Bearer selection: select either **GSM** or **GPRS preferred**, depending on your network.

- **Block number:** store the phone numbers from which you want to reject messages.
- **Current profile:** check or select an SMS setting profile.
- **Profile settings:** set the properties of each profile.

Service centre: store or change the number of your SMS server.

Default destination: enter the default destination. It will be automatically entered on the recipient list.

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

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

Setting name: enter a profile name.

Multimedia messages (Menu 5.5.2)

You can configure MMS settings.

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

Send delivery receipt: set the network to inform you when your messages have been delivered.

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

Send read receipt: send a read-reply request along with your messages.

Priority: set the priority level of messages.

Expiry date: set the length of time messages are stored in the MMS server.

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

Outgoing message size: select a maximum size allowed for composing messages.

- **Retrieving options:** set up the options for receiving MMS messages:
Reject unknown senders: reject messages from unknown senders.
Allow adverts: accept advertisements.
Allow information: accept information messages.
Allow report: set the network to inform the sender when a message has been delivered to you.
Recep. in home network: determine if your phone retrieves new messages automatically when you are in your home service area.
Reception when abroad: determine if your phone retrieves new messages automatically when you are roaming on another network.
 Reception within home network or abroad has the following options:
Manual: the phone displays notifications. Use the **Retrieve** option to manually download new messages.
Automatic: the phone automatically retrieves messages from the server.
Reject: the phone rejects all messages.
- **Block list:** store phone numbers and e-mail addresses from which you want to reject messages.
- **Multimedia message profiles:** select a connection profile to be used for MMS. You can also create or edit a profile. ► p. 71

Push messages *(Menu 5.5.3)*

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

- **Receive:** set how your phone receives push messages. If you select **Black list**, the phone will not accept messages from the specified addresses on the Black list.
- **Black list:** manage blocked server addresses.

Broadcast messages *(Menu 5.5.4)*

You can change the settings for receiving broadcast messages.

- **Receive:** select to receive broadcast messages, or not.
- **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.

SOS messages *(Menu 5.6)*

In an emergency, you can send an SOS message to your family or friends for help. You can also receive an SOS message from other people who are in an emergency. Use this menu to specify options for sending and receiving an SOS message.

- **Sending options:** set the options for sending an SOS message:

Sending SOS: activate or deactivate the SOS message feature. To send an SOS message, press [Volume] 4 times in Idle mode.

Recipients: specify the phone numbers to which you want to send SOS messages.

- ☒ While the phone is attempting to send an SOS message,  turns to red and you cannot access menu functions in this mode. To use the phone as normal, press [] when the icon turns to blue.

Repeats: set the number of times the phone repeats sending SOS messages.

Message: check the preset SOS message text.

- **Receiving options:** set whether or not the phone uses the preset alert type (siren and alert message) for incoming SOS messages. If you select **No**, the phone uses the message ringer setting.

- ☒ You can view the onscreen help by pressing <**Options**> from the sending option list and selecting **Help**.

Memory status (Menu 5.7)

Use this menu to view the amount of memory currently in use in each message folder.

My files (Menu 6)

The **My files** menu allows you to access images, videos, music files, sound files, and other files stored in the phone's memory or on a memory card.

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

Tips for Digital Rights Management

As a result of the Digital Rights Management (DRM) system, some of the media items you download from the Internet or receive by MMS may require a licence key to access them.

You can acquire the key from the website which owns the rights to the content; use the **Activate key** option.

Note the following icons on the list:

- : Forwardable item with a valid key.
- : Forwardable item without a valid key.
- : Unforwardable item with a valid key.
- : Unforwardable item without a valid key.

Your service provider supports only count-based or unlimited-access DRM files.

Images (Menu 6.1)

This menu displays photos you have taken and images you have downloaded, received in messages, or imported from a computer.

Viewing an image

1. Select an image folder.
2. Select an image.
3. Press [Up] or [Down] to view other photos.

Viewing a slide show

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

1. Select **My photos**.
2. Press <**Options**> and select **Slide show**.
3. Select an interval option.
The slide show begins.
4. Press <**Stop**> to stop the slide show.

Using image options

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

- **List:** return to the image list.
- **Send via:** send the file via MMS or Bluetooth.
- **Set as:** set the image as a caller ID image for a Phonebook entry.
- **Activate key:** get a licence key when the key for the selected DRM file expires.
- **Delete:** delete the file.
- **Rename:** change the file name.
- **Move to Favourite images/Move to Downloaded images/Move to Photos/Move to Memory card:** move the file to another folder in a phone's memory or on a memory card.

- **Copy to memory card:** copy the file to a memory card.
- **Bluetooth visibility:** share the file or the files you want with other Bluetooth devices.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.
- **Key management:** manage the licence keys you have acquired.

Videos (Menu 6.2)

This menu displays video clips you have recorded, downloaded, received in messages, or imported from a computer.



Video clips recorded on other devices, such as camcorders, may not play correctly.

Playing a video clip

1. Select a video folder.
2. Select a video clip.

During playback, use the following keys:

Key	Function
OK	Pauses or resumes playback.
Left	Moves backward in a file when held down.
Right	Moves forward in a file when held down.
Volume	Adjusts the volume.

Key	Function
Up	Returns to the video list.
Down	Stops playback.

Using video options

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

- **Send via:** send the file via MMS or Bluetooth.
- **Activate key:** get a new licence key when the key for the selected DRM file expires.
- **Delete:** delete the file.
- **Rename:** change the file name.
- **Move to Favourite videos/Move to Downloaded videos/Move to Video clips/Move to Memory card:** move the file to another folder in a phone's memory or on a memory card.
- **Copy to memory card:** copy the file to a memory card.
- **Bluetooth visibility:** share the selected file or the files you want with other Bluetooth devices.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.
- **Key management:** manage the licence keys you have acquired.

Music (Menu 6.3)

This menu displays music files you have downloaded or imported from a computer.

Playing music

Select a file.

During playback, use the following keys:

Key	Function
OK	Pauses or resumes playback.
Left	Moves to the previous file when held down.
Right	Moves to the next file when held down.
Volume	Adjusts the volume.
Down	Stops playback.

Using music options

While playing a music file, press **<Options>** to access the following options:

- **Pause/Play:** pause or resume playback.
- **Transfer to Bluetooth stereo headset/Transfer to phone:** switch sound output to a Bluetooth stereo headset or back to the phone speaker.
- **Send via:** send the file via Bluetooth.
- **Set as:** set the file as your ringtone or a ringtone for a Phonebook entry.

- **Activate key:** get a licence key when the key for the selected DRM file expires.
- **Delete:** delete the file.
- **Move to memory card:** move the file to a memory card. This option is only available when you insert a memory card into the phone.
- **Copy to memory card:** copy the file to a memory card.
- **Rename:** change the file name.
- **Bluetooth visibility:** share the selected file or the files you want with other Bluetooth devices.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.
- **Key management:** manage the licence keys you have acquired.

Sounds *(Menu 6.4)*

This menu displays voice memos you have recorded, and sound files you have downloaded, received in messages, or imported from a computer.

Playing a sound clip

1. Select a sound folder.
2. Select a sound clip. For a voice memo, see **Voice recorder**. ► p. 40

Using sound options

While playing a sound clip, press <**Options**> to access the following options:

- **List:** return to the sound list.
- **Send via:** send the file via MMS or Bluetooth.
- **Set as:** set the file as your ringtone or as a ringtone for a Phonebook entry.
- **Activate key:** get a new licence key when the key for the selected DRM file expires.
- **Delete:** delete the file.
- **Rename:** change the file name.
- **Move to Favourite sounds/Move to Downloaded sounds/Move to Voice recorder files/Move to Memory card:** move the file to another folder in a phone's memory or on a memory card
- **Copy to memory card:** copy the file to a memory card.
- **Bluetooth visibility:** share the selected file or the files you want with other Bluetooth devices.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.
- **Key management:** manage the licence keys you have acquired.

Other files (Menu 6.5)

Files that you have received but which are not supported by your phone are stored in this folder. You cannot open these files on the phone.

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

- **Send via:** send the file via Bluetooth.
- **Delete:** delete the selected file or all files.
- **Rename:** change the file name.
- **Move to memory card:** move the file to a memory card.
- **Copy to memory card:** copy the file to a memory card.
- **Rename:** change the file name.
- **Bluetooth visibility:** share the selected file or the files you want with other Bluetooth devices.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.

Memory card (Menu 6.6)

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



Your phone is preset to use FAT16-formatted memory cards. If you insert a FAT32-formatted memory card, the phone will ask you to reformat the memory card. If you do not, you will not be able to access the card from the phone.

Memory status (Menu 6.7)

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

You can also access a media box by selecting it from this menu.

Calendar *(Menu 7)*

Use this menu to keep track of your schedule.

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

Creating an item

You can store appointments, anniversaries, and tasks on the calendar. More than one item per day can be stored.

Entering an appointment

1. Press <**Options**> and select **Create** → **Appointment**.
2. Enter information or change the settings:
 - **Subject**: enter a title for the appointment.
 - **Details**: enter the appointment details.
 - **Start date** and **Start time**: enter the starting date and time for the appointment.
 - **AM/PM**: select **AM** or **PM** in 12-hour time format.
 - **End date** and **End time**: enter the ending date and time for the appointment.
 - **AM/PM**: select **AM** or **PM** in 12-hour time format.
 - **Location**: enter information about the appointed location.
 - **Alarm**: select to set an alarm for the appointment.
 - **Before**: set how long before the anniversary the alarm is to alert you.

- **Alarm time**: enter the time for the alarm to ring.
- **AM/PM**: select **AM** or **PM** in 12-hour time format.
- **Alarm tone**: select an alarm tone.
- **Repeat**: set the appointment to recur and select a repeat unit.
- **Until**: set the ending date, if the appointment will recur.

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

Entering an anniversary

1. Press <**Options**> and select **Create** → **Anniversary**.
2. Enter information or change the settings:
 - **Occasion**: enter information about the anniversary.
 - **Date**: enter the date.
 - **Alarm**: select to set an alarm for the anniversary.
 - **Before**: set how long before the anniversary the alarm is to alert you and set a unit for your setting.
 - **Alarm time**: enter the time for the alarm to ring.
 - **AM/PM**: select **AM** or **PM** in 12-hour time format.
 - **Alarm tone**: select an alarm tone.
 - **Repeat every year**: set the phone to remind you of the anniversary every year.
3. Press <**Save**> to save the anniversary.

Entering a task

1. Press **<Options>** and select **Create** → **Task**.
2. Enter information or change the settings:
 - **Task**: enter information about the task.
 - **Start date**: enter the starting date.
 - **Due date**: enter the ending date.
 - **Select priority**: select a priority level.
3. Press **<Save>** to save the task.

Viewing an item

1. Select a date to display the items for that day.
The list of items scheduled for the selected day appears. The following icons indicate each item type:
 -  : Appointment
 -  : Anniversary
 -  : Task
2. Select an item to view its details.
3. Press [Left] or [Right] to access the other items scheduled for the selected day.

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

- **Edit**: edit the item.
- **Create**: add a new item.
- **Send via**: send the item via SMS, MMS, or Bluetooth.
- **Delete**: delete the item.

- **Memory status**: access memory information for the items stored on the calendar.

Using calendar options

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

- **View**: check the items scheduled for the selected day.
- **Create**: add a new item.
- **Send via**: send the item via SMS, MMS, or Bluetooth.
- **Event list**: sort items by type of item.
- **Delete**: delete the items stored on the calendar by using various deleting options.



You can delete recurring items in Day view only.

- **Missed alarm events**: view items whose alarms you have missed.
- **Memory status**: access memory information for the items stored on the calendar.

Camera (Menu 8)

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

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

- ☒ You can only initiate recording videos in Multimedia Player mode. Switch the screen to use the Phone mode display for recording videos.

Taking a photo

You can take photos in various modes. The camera produces JPEG photos.

Taking a photo

1. Access the **Camera** menu or press and hold [] to turn on the camera.
2. Make any desired adjustments.
 - Press < > to switch the screen to the Multimedia Player mode display. ► p. 24
 - Press [Left] or [Right] to adjust the brightness.
 - Press [Up] or [Down] to zoom in or out.
 - Press [Volume UP] to flip the image vertically.
 - Press [Volume UP] to view the mirror image.
3. Press [OK] to take a photo. The photo is saved in the **My photos** folder.

4. To	Press
access photo options	<  >. ► p. 61
delete the photo	[C] and then <Yes>.
return to Capture mode	<  >.

Using photo options

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

- **Viewfinder:** return to Capture mode.
- **Send via:** send the file via MMS or Bluetooth.
- **Set as:** set the photo as a caller ID image for a Phonebook entry.
- **Delete:** delete the file.
- **Rename:** change the file name.
- **Go to My photos:** access the **My photos** folder. ► p. 54
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file properties.

Recording a video

You can record a video of what is displayed on the camera screen and save it.

Recording a video

You can only switch to Record mode in Multimedia Player mode.

1. In Multimedia Player mode, access **Camera**.
2. Press [**1/4**] to switch the screen to the Phone mode display.
3. Make any desired adjustments.
 - Press <[**♪**]> to switch the screen to the Multimedia Player mode display. ► p. 26
 - Press [Left] or [Right] to adjust the brightness.
 - Press [Up] or [Down] to zoom in or out.
 - Press [Volume UP] to flip the image vertically.
 - Press [Volume UP] to view the mirror image.
4. Press [**OK**] to start recording.
5. Press [**OK**] to stop recording. The video is automatically saved in the **My video clips** folder.

To	Press
play back the video clip	[OK].
access video options	<[]>. ► p. 62
delete the video	[C] and then < Yes >.
return to Record mode	< Preview >.

Using video options

After saving a video clip, press <[]> to access the following options:

- **Viewfinder**: return to Record mode.
- **Send via**: send the file via MMS or Bluetooth.
- **Set as**: set the video clip, if saved as a 3gp file, as a caller ID image for a Phonebook entry.
- **Delete**: delete the file.
- **Rename**: change the file name.
- **Go to My video clips**: access the **My video clips** folder. ► p. 55
- **Lock/Unlock**: lock the file to prevent it from being deleted, or unlock the file.
- **Details**: access the file properties.

Settings (Menu 9)

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

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

Time and date (Menu 9.1)

Use this menu to change the time and date displayed on your phone. Before setting the time and date, specify your time zone in the **World clock** menu. ► p. 41

- **Time**: enter the current time.
- **AM/PM**: select **AM** or **PM** in 12-hour time format.
- **Time format**: select a time format.
- **Date**: enter the current date.
- **Date format**: select a date format.
- **Calendar starting day**: set which day of the week the calendar starts with.
- **Auto update**: activate the auto time update feature. Your phone will read the MCC (Mobile Country Code) from the network and automatically update the current time for the country that you are in when you travel abroad.

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

Phone settings (Menu 9.2)

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

☒ Some menus may not be available, depending on your service provider.

Language (Menu 9.2.1)

Use this menu to select a language for the display text. If you select **Automatic**, the phone uses the same language as the SIM card.

Greeting message (Menu 9.2.2)

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

Shortcuts (Menu 9.2.3)

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

Assigning a shortcut menu

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

Using shortcut options

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

- **Change**: assign or change a shortcut menu.
- **Remove**: deactivate the shortcut assignment to the selected key.
- **Remove all**: deactivate all shortcut assignments.

Volume key (Menu 9.2.4)

Use this menu to set whether the phone mutes the call ringer or rejects a call if you press and hold [Volume] when a call comes in.

Extra settings (Menu 9.2.5)

You can turn the automatic redialling or answering feature on or off.

- **Auto redial:** set the phone to make up to ten attempts to redial a phone number after an unsuccessful call.
- **Anykey answer:** answer an incoming call by pressing any key, except for <Reject> and [📞].

Offline mode (Menu 9.2.6)

Use this menu to switch the phone to Offline mode or back to Online mode.

USB setting (Menu 9.2.7)

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

- **MTP:** you can use MTP (Media Transfer Protocol) mode to transfer WMDRM (Window Media Digital Rights Management) content with licence keys directly from the Windows Media Player 10 to the phone. You can also get new licence keys for the DRM files that have expired licence keys.

- **PC studio:** you can use the Samsung PC Studio programme to synchronise data and transfer media files between the phone and a PC.

Display settings (Menu 9.3)

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

Skin (Menu 9.3.1)

You can select a skin colour pattern for Menu mode.

Brightness (Menu 9.3.2)

You can adjust the brightness of the displays for varying lighting conditions.

Dialing display (Menu 9.3.3)

Use this menu to select a font colour for the numbers, and background colour of the display while dialling.

Show caller information (Menu 9.3.4)

Use this menu to set the phone to display missed call notifications with the most recently missed caller's information.

Sound settings *(Menu 9.4)*

Use this menu to customise various sound settings.

Incoming call *(Menu 9.4.1)*

Use this menu to change the sound settings for incoming calls.

- **Ringtone:** select a ringtone to be used for the call ringer.
- **Volume:** select a ringtone volume.
- **Alert type:** specify how you are to be informed of incoming calls.

Keypad tone *(Menu 9.4.2)*

Use this menu to select the tone that the phone sounds when you press a key.

- ☒ You can adjust the key tone volume using [Volume] in Idle mode.

Message tone *(Menu 9.4.3)*

Use this menu to change the sound settings for incoming SMS messages, MMS messages, and broadcast messages individually.

- **Tone:** select one of several message tones.
- **Alert type:** specify how you are to be informed when a message comes in.
- **Repetition:** specify how often the phone informs you of a new message.

Power on/off *(Menu 9.4.4)*

Use this menu to select the melody that the phone sounds when it is switched on or off.

Silent mode *(Menu 9.4.5)*

Use this menu to set how the phone acts to alert you to a specific event while in Silent mode.

Extra tones *(Menu 8.4.6)*

Use this menu to customise additional tones for the phone.

- **Minute minder:** set the phone to beep every minute during an outgoing call to keep you informed of the length of your call.
- **Connection tone:** set the phone to beep when an outgoing call connects to the system.
- **Alert on call:** set the phone to beep when you receive a new message or when the time for an alarm comes during a call.
- **Indicative tone:** set the phone to beep when a pop-up window displays.

Solve problems

Help and personal needs

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

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

"Please insert SIM card"

- Be sure that the SIM card is correctly installed.

"Phone lock"

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

"PIN lock"

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

"PUK lock"

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

"No service" or "Service unavailable" displays

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

You have entered a number but it was not dialled

- Be sure that you have pressed [].
- Be sure that you have accessed the right cellular network.
- Be sure that you have not set an outgoing call barring option.

Your correspondent cannot reach you

- Be sure that your phone is switched on. ([>] pressed for more than one second.)
- Be sure that you have accessed the right cellular network.
- Be sure that you have not set an incoming call barring option.

Your correspondent cannot hear you speaking

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

The phone starts beeping and “Low battery” flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

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

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

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

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

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

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

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

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

Health and safety information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National 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. Body-worn operations are restricted to Samsung-supplied, approved, or non- Samsung designated accessories that have no metal and must provide at least 1.5 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels

evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

1900

- Head: 1.07 W/Kg.
- Body-worn: 0.312 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. This site uses the phone FCC ID number, A3LSGHF300.

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,

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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 $\circ \times$ to do $\circ \pm$ 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 Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

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

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

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

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

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

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

Understanding the Power Save Feature

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

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

Understanding How Your Phone Operates

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

Maintaining Your Phone's Peak Performance

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

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

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

Availability of Various Features/Ring Tones

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

Battery Standby and Talk Time

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

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be

prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the

phone, which may damage the phone's electronic circuit boards.

- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest

qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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