

- \* 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-ZV10**

## **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 the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

## Emergency calls

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

## Keep your phone away from small children

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

## Accessories and batteries

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



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

## Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 81.

# About this Guide

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

In this guide, the following instruction icons appear:



Indicates that you need to pay careful attention to the subsequent information regarding safety or phone features.



Indicates that you can get more information on the referenced page.



Indicates that you need to press the Navigation keys to scroll to the specified option and then select it.



Indicates a key on the phone. For example, [ \ ]



Indicates a soft key, whose function is displayed on the phone screen. For example, <Menu>



- **3G**

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

## *Special features of your phone*



- **Camera and camcorder**

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



- **Media player**

Play media files on your phone.



- **File viewer**

Open your documents and animations in various formats without corruption on the phone.



- **IrDA**

Send and receive media files and Contacts and Calendar item via an infrared port.



- **Bluetooth**

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



- **Web browser**

Access the wireless web and access various services and current information.



- **Get personal with photo caller ID**

See who's calling you with their very own photo displays.

- **Multimedia Message Service (MMS)**

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

- **E-mail**

Send and receive e-mails with images, video, and audio attachments.



- **Java**

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



- **Calendar**

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



- **Voice recorder**

Record memos or sounds.

## Contents

### Unpack 6

---

*Make sure you have each item*

### Your phone 6

---

*Buttons, features, and locations*

### Get started 7

---

*First steps to operating your phone*

Install and charge the phone .....	7
Power on or off .....	8
Keys and display .....	9
Access menu functions.....	11
Customise your phone .....	12
Make/Answer calls.....	14

### Step outside the phone 14

---

*Begin with your camera, web browser, and other special features*

Use camera .....	14
Play media files .....	15
Browse the web .....	16
Use Contacts .....	17
Send messages.....	18
View messages .....	19
Use Bluetooth wireless.....	20

### Enter text 22

---

*ABC, T9, Number, and Symbol modes*

### Call functions 24

---

*Advanced calling features*

### Menu functions 30

---

*All menu options listed*

### Solve problems 79

---

*Help and personal needs*

### Health and safety information 81

---

### Index 101

---

## Menu functions

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

1 Entertainment	▶ p. 30
-----------------	---------

2 Vodafone live!	▶ p. 30
------------------	---------

3 Media player	▶ p. 32
----------------	---------

4 Camera	▶ p. 34
----------	---------

5 Messaging	▶ p. 39
-------------	---------

1 Create message	▶ p. 39
2 Inbox	▶ p. 40
3 Email inbox	▶ p. 42
4 Drafts	▶ p. 43
5 Outbox	▶ p. 43
6 Sentbox	▶ p. 43
7 Call voicemail	▶ p. 43
8 Templates	▶ p. 44
9 Delete all	▶ p. 44
0 Settings	▶ p. 45
* Memory status	▶ p. 48

6 My files	▶ p. 49
------------	---------

Pictures	▶ p. 49
Videos	▶ p. 51
Sounds and ringtones	▶ p. 51
Games	▶ p. 53
Applications	▶ p. 53
Screen savers	▶ p. 54
Themes	▶ p. 54
Other documents	▶ p. 55
Media album*	▶ p. 57
Memory status	▶ p. 57

7 Organiser & Tools	▶ p. 57
---------------------	---------

1 Vodafone**	▶ p. 57
2 Applications	▶ p. 57
3 Alarms	▶ p. 57
4 Calendar	▶ p. 58
5 Voice memo	▶ p. 61
6 World clock	▶ p. 62
7 PIM Sync	▶ p. 62
8 Calculator	▶ p. 63
9 Converter	▶ p. 63
0 Memory status	▶ p. 63

8 Contacts	▶ p. 64
------------	---------

9 Settings	▶ p. 66
------------	---------

1 Phone settings	▶ p. 66
2 Display settings	▶ p. 68
3 Messaging settings	▶ p. 69
4 Call settings	▶ p. 69
5 Contact settings	▶ p. 71
6 Calendar settings	▶ p. 72
7 live cast settings	▶ p. 72
8 Connectivity	▶ p. 73
9 Security	▶ p. 77
0 Memory settings	▶ p. 78

\* Shows depending on the country.

\*\* Shows only if supported by you SIM card.



## Unpack

Make sure you have each item



Phone



Travel Charger



Battery



PC Data Cable



PC Link CD



User's Guide

You can obtain various accessories from your local Samsung dealer.



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

## Your phone

Buttons, features, and locations



## Get started

### First steps to operating your phone


#### USIM/SIM card information

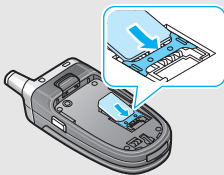
When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN and available optional services. For 3G services, you can purchase an USIM (Universal Subscriber Identity Module) card.

### Install and charge the phone

- 1** Remove the battery. **2** Insert the SIM card.

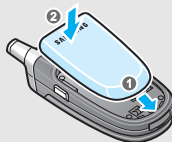


- ☒ If the phone is already on, first turn it off by pressing and holding [  ].



- ☒ Make sure that the gold-coloured contacts on the card face down into the phone.

- 3** Install the battery.



- 4** Plug the travel charger into the phone.



- 5** Plug the charger into a standard AC wall outlet. The LED on the charger indicates the charging progress.

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


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

- 7 Remove the charger from the phone.



### Low battery indicator


When the battery is low:

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

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


## Power on or off

### Power on

1. Open the phone.
2. Press and hold [  ] to turn on the phone.
3. If necessary, enter the PIN and press <Confirm>.

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

### Power off

1. Open the phone.
2. Press and hold [  ].

## Keys and display

### Keys



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



In Idle mode, access your favourite menu options directly. ► p. 67  
In Menu mode, scroll through the menu options.



In Idle mode, access Menu mode.  
In Menu mode, select a highlighted menu option.



Open the application switch window to open **Call**, **Messaging**, and **Vodafone live!** without exiting the current application.



Make a video call.



Make or answer a call.  
In Idle mode, retrieve the recent numbers dialled, missed, or received.



Delete characters from the display.



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



Enter numbers, letters, and some special characters.  
In Idle mode, press and hold [**1**] to access your voicemail server. Press and hold [**0**] to enter an international call prefix.



Enter special characters.  
In Idle mode, press and hold [**#**] to activate or deactivate the Silent profile. Press and hold [**\***] to enter a pause.



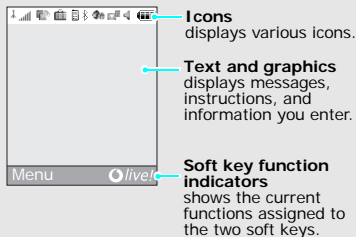
Adjust the phone volume.  
In Idle mode, adjust the keypad tone volume. With the phone closed, press and hold to activate the external display.











Press and hold to turn the camera on.  
In Camera mode, take a photo and record a video.

## Display

### Layout



### Icons

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



Bluetooth feature is activated ► p. 73



Connected with a Bluetooth headset or hands-free car kit



IrDA port is active ► p. 75



Connected with a computer via a USB port









Browsing the Internet on a computer using the phone as a modem










Connected to a secured web page




New message; depending on the message type, the following icons may appear.

-  SMS
-  MMS or MMS with attachments
-  E-mail
-  Voicemail
-  Push message
-  Configuration message

 Profile setting ► p. 67

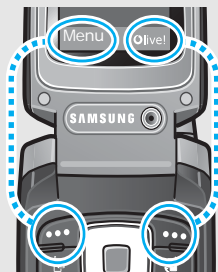
-  : Normal
-  : Silent
-  : Car
-  : Meeting
-  : Outdoor
-  : Flight

 Battery power level

## Access menu functions

Use the soft keys

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



Press the left soft key to access Menu mode.

Press the right soft key to access the web browser.

### Select an option

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

### Use shortcuts

Press the number key corresponding to the option you want.

## Customise your phone

### Display language

1. In Idle mode, press **<Menu>** and select **Settings** → **Phone settings** → **Phone language** → **Screen text**.
2. Select a language.
3. Press **<OK>**.

### Call ringer melody

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

#### To change the profile properties:

1. In Idle mode, press **<Menu>** and select **Settings** → **Phone settings** → **Phone profiles**.
2. Scroll the sound profile you are using.
3. Press **<Options>** and select **Edit**.
4. Select **Voice call ringtone** and select a ringer for voice calls.

5. Select **Video call ringtone** and select a ringtone for video calls.
6. Press **<Options>** and select **Save**.

To select the sound profile:

1. In Idle mode, press **<Menu>** and select **Settings** → **Phone settings** → **Phone profiles**.
2. Select the profile you want.

### Idle mode wallpaper

You can set wallpaper for the idle screen.

To select a wallpaper image:

1. In Idle mode, press **<Menu>** and select **My files** → **Pictures**.
2. Select an image.
3. Press **<Options>** and select **Set as** → **Wallpaper**.
4. Press **<Set>** or [Centre].

To display the selected wallpaper image:

1. In Idle mode, press **<Menu>** and select **Settings** → **Display settings** → **Wallpaper**.
2. Select **Pictures**.

### Silent mode

You can quickly activate the Silent profile to avoid disturbing other people.  
Press and hold [#] in Idle mode.

### Phone lock

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



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




## Make/Answer calls

### Make a call



To make a voice call:

1. Enter an area code and phone number.
2. Press [  ].
3. To end the call, press [  ].



To make a video call:

1. Enter an area code and phone number.
2. Press [  ], and the other person appears on the screen.

### Answer a call

1. When the phone is ringing, press [  ].
2. For a video call, when a "Allow own picture to be shown" message appears, select **Yes** to allow the other person to see you .
3. To end the call, press [  ].

### Adjust the volume during a call



Press [  /  ].

## Step outside the phone

*Begin with your camera, web browser, and other special features*

### Use camera

#### Take a photo

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

#### View a photo

1. In Idle mode, press <**Menu**> and select **My files** → **Pictures**.
2. Select the photo you want.

**Record a video**

1. In Idle mode, press and hold [⏻] to turn on the camera.
2. Press [Right] to switch to Record mode.
3. Press [⏻] to switch between the interior lens and exterior lens.
4. Aim the camera lens at the subject and adjust the image.
5. Press [Centre] to start recording.
6. Press [Centre] to stop recording. The video is automatically saved.
7. Press <Back> to record another video.

**Play a video**

1. In Idle mode, press <Menu> and select **My files** → **Videos**.
2. Select the video you want.

**Play media files****Copy media files to the phone**

Use these methods:

- Download from the wireless web ► p. 30
- Download from a computer using Samsung PC Studio ► Samsung PC Studio User's Guide
- Receive via IrDA or Bluetooth ► p. 73, p. 75

**Create a music play list**

1. In Idle mode, press <Menu> and select **Media player**.
1. Scroll to the **Music** tab.
2. Press <Options> and select **Create playlist**.
3. Enter a name for the play list and press <Save>.
4. Select the play list you just created.
5. Press <Options> and select **Add** → **Folder** or **Files**.
6. Select a folder or files you want to add to the play list.
7. Press <Save>.

### Play media files

1. Select the file you want to play.
2. For music files, select a play list in which you want to play music files and select a file.
3. During playback, use the following keys:
  - [Centre]: pauses or resumes playback.
  - [Up]: opens the play list.
  - [Left]: goes to the previous file. Moves backward in a file when held down.
  - [Right]: goes to the next file. Moves forward in a file when held down.
  - [▲/▼]: adjusts the volume.
  - [Down]: stops playback.

### Browse the web

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

#### Launch the web browser

In Idle mode, press < **Olive!** >.

#### Navigate the web browser

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

## Use Contacts

### Add a contact

#### To the phone's memory:

1. In Idle mode, enter a phone number.
2. Press <**Options**> and select **Add to Contacts** → **Phone** → **New** → a number type.
3. Specify the contact information: First name, Last name, Display name, Mobile-private, Landline-private, Landline-business, Email, Homepage, Group, Caller ID, Ringtone, Message tone, Birthday, and Note.
4. Press [Centre] to save the entry.

#### To the SIM card:

1. In Idle mode, enter a phone number.
2. Press <**Options**> and select **Add to Contacts** → **SIM** → **New**.
3. Specify the contact information, depending on your card type (SIM/USIM): Name, Phone number, Group, and Location.
4. Press [Centre] to save the entry.

### Find a contact

1. In Idle mode, press <**Menu**> and select **Contacts**.
2. Select a contact from the Contacts list.
3. Select a number and press [↵] to dial, or [Centre] to edit contact information.

### Create and send your name card

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

## Send messages

### Send a text message (SMS)

1. In Idle mode, press <Menu> and select **Messaging** → **Create message** → **Message**.
2. Enter the message text.
3. Press [Centre] and select **Add recipients** → **Contacts** or **Groups** → a contact or group.
4. When you have finished, press [Centre] and select **Send**.

### Send a multimedia message (MMS)

1. In Idle mode, press <Menu> and select **Messaging** → **Create message** → **Message**.
2. Enter your message.
3. Press <Options> to access the following options:
  - **Add item:** add a text box, image, sound, video, name card, or calendar item.
  - **Create item:** create a new item and add it.
  - **Insert:** add a text template, emoticon, or contact entry.
4. When you have finished, press [Centre] and select **Add recipients** → **Contacts** or **Groups** → a number or e-mail address, or group.
5. Press [Centre] and select **Send**.

**Send an e-mail**

1. In Idle mode, press <Menu> and select **Messaging** → **Create message** → **Email**.
2. Enter the e-mail text.
3. Press <Options> to access the following options:
  - **Add item:** add a media file, name card, or calendar item.
  - **Create item:** create a new item and add it.
  - **Insert:** add a text template, emoticon, contact entry, or bookmark.
4. When you have finished, press [Centre] and select **Add recipients** → **Contacts** or **Group** → a contact or group.
5. Press [Centre] and select **Send**.

**View messages****View a text message**

When a notification appears:

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

From the **Inbox**:

1. In Idle mode, press <Menu> and select **Messaging** → **Inbox**.
2. Select a text message (✉️).

**View a multimedia message**

When a notification appears:

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

From the **Inbox**:

1. In Idle mode, press <Menu> and select **Messaging** → **Inbox**.
2. Select a multimedia message (📎).

### View an e-mail

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

### View a live cast message

Vodafone provides you with updated headline-style news, which work in Idle mode. You can easily and quickly access the web browser to get more details of the displayed headline.

To activate the live cast feature:

In Idle mode, press <Menu> and select **Settings** → **live cast settings** → **Activation** → **Activate live cast**.

When you activate the live cast feature, **live cast** is assigned to the left soft key in Idle mode.

To view live cast messages:

In Idle mode, press <live cast>.

## Use Bluetooth wireless

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

### Turn on Bluetooth

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

### Search for and pair with a Bluetooth device

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

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

---

**Send data**

1. Access an application, **Contacts**, **My files**, or **Calendar**.
2. Select the item you want to send.
3. Press <**Options**> and select **Send (my contact details/schedule/task/memo)** → **Via bluetooth**.
4. Select a device.
5. If necessary, enter the Bluetooth PIN and press <**OK**>.

---

**Receive data**

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

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







## Enter text

*ABC, T9, Number, and Symbol modes*

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

### Changing the text input mode

- Press and hold [✱] to switch between T9 () and ABC () modes.
- Press [✱] to change case or to switch to Number mode () .
- Press and hold [#] to switch to Symbol mode () .

### Using T9 mode

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

#### Entering a word in T9 mode

1. Press [2] to [9] to start entering a word. Press each key once for each letter.  
For example, press [4], [3], [5], [5], and [6] to enter *Hello* in T9 mode.  
T9 predicts the word that you are typing, and it may change with each key that you press.
2. Enter the whole word before editing or deleting characters.

3. When the word displays correctly, go to step 4. Otherwise, press [0] to display alternative word choices for the keys that you have pressed.  
For example, *Of* and *Me* use [6] and [3].
4. Press [#] to insert a space and enter the next word.

#### Tips for using T9 mode

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

#### Adding a new word to the T9 dictionary

This feature may not be available for some languages.

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

## Using ABC mode

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

Key	Characters in order displayed	
	Upper case	Lower case
1	. , ? / ! ' @ _ - : 1	
2	A B C Ä Å Æ Γ Ç 2	a b c ä å æ γ ç 2
3	D E F É Δ Φ 3	d e f é ê φ 3
4	G H I Θ Ψ 4	g h i ï ð ψ 4
5	J K L Λ 5	j k l λ 5
6	M N O Ö Ñ Ø 6	m n o ö ñ ø ò 6
7	P Q R S Π Σ Ξ 7	p q r s ρ σ ξ 7
8	T U V Ü 8	t u v ü ü 8
9	W X Y Z Ω 9	w x y z ω 9
0	+ = < > € £ \$ % & ¥ ¤ 0	

### Tips for using ABC mode

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

## Using Number mode

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

## Using Symbol mode

Symbol mode enables you to insert symbols.

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

## Call functions

### Advanced calling features

#### Making a call

1. In Idle mode, enter the area code and phone number.
2. Press [ \ ].

- ☑ • Press [C] to clear the last digit or press and hold [C] to clear the whole display. You can move the cursor to edit an incorrect digit.
- Press and hold [\*] to enter a pause.

#### Making an international call

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

#### Redialling recent numbers

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


#### Making a call from Contacts

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


► p. 65

You can also use the speed dial feature to assign your most frequently called numbers to specific number keys. ► p. 71

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

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

#### Ending a call




Press [  ] or close the phone.

#### Answering a call

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

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

#### Tips for answering a call

- When **Anykey answer** is active, you can press any key to answer a call, except for [  ], <Reject>, and [  ]. ► p. 68
- When **Active folder** is active, you can answer a call by opening the phone. ► p. 68
- Press <Reject> or [  ] to reject a call.

- Press and hold [**▲/▼**] to reject an incoming call or mute the ringer, depending on the **Side key** setting. ► p. 68

## Viewing missed calls

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

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

## Using the headset

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

Connect the headset to the jack on the left side of the phone.

The button on the headset work as listed below:

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

## Options during a call

You can access a number of functions during a call.

### Adjusting the volume during a call

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

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

### Placing a call on hold/Retrieving

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

### Making a second call

You can make another call if your network supports it.

1. Press <**Hold**> to put the call on hold.
2. Make the second call in the normal way.
3. Press <**Swap**> to switch between the calls.
4. Press <**Options**> and select **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 it and you have activated the call waiting feature. ► p. 71

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 the speakerphone feature

Use the speakerphone feature to talk and listen with the phone a short distance away.

Press <**Options**> and select **Speaker on**, or press [Centre].

### Using a Bluetooth headset or hands-free car kit

Use an optional Bluetooth headset or hands-free car kit to talk on the phone without holding the phone to your ear. To use this feature, you first need to register your headset or hands-free car kit and connect it to the phone. ► p. 73

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

To switch the call back to the phone, press <**Options**> and select **Switch to phone**.

### Using Contacts

You can access the **Contacts** menu to locate or store contacts in Contacts. ► p. 64

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

### Sending a text message

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

Press <**Options**> and select **Create message**.  
► p. 39

### Sending a sequence of DTMF tones

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

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

1. When connected with a teleservice system, press <**Options**> and select **Send DTMF**.
2. Enter the number you need to send and press <**Send**>.

### Switching off the microphone (Mute mode)

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

1. Press <**Options**> and select **Mute**.
2. Press [Centre] to check **Voice** and press <**OK**>.

### Muting key tones

You can turn the key tones off or on.

1. Press <**Options**> and select **Mute**.
2. Press [Centre] to check **Key tone** and press <**OK**>.

☒ To communicate with answering machines or computerised telephone systems, **Key tone** must be active.

## Adding a memo

You can write a memo during a call.

Press **<Options>** and select **Memo**. ▶ p. 60

## Making a multi-party call

Use this feature to allow as many as **5 people** to join a multi-party call, or conference call.

Vodafone must support multi-party calls for you to use this feature.

### Setting up a multi-party call

1. Call the first participant.
2. Call the second participant. The first call is automatically put on hold.
3. Press **<Options>** and select **Join**. The first participant is added to the multi-party call.
4. If desired, call another person or answer an incoming call.
5. Press **<Options>** and select **Join**.
6. Repeat steps 4 and 5 as desired.

### Having a private conversation with one participant

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

You can talk privately with that person, while the other participants converse with each other.

3. To return to the multi-party call, press **<Options>** and select **Join**.

### Disconnect one participant

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


The participant is disconnected from the call, but the call continues with the other parties.

3. Press [  ] to end the multiparty call.

## Using the video call feature

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

### Making a video call

1. In Idle mode, enter the area code and phone number.
2. Press [  ].

### Answering a video call

When you receive a video call, answer a video call as receiving a voice call. **When a "Allow own picture to be shown" message appears, select Yes to allow the caller to see you via the camera.**

### Using video call options

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

- **Speaker on/Normal**: turn the speakerphone on or off.
- **Switch to headset/Switch to phone**: switch the call to a Bluetooth headset or hands-free car kit, or back to the phone.
- **Hide call infobar/Show call infobar**: hide or display the information bar on the display.
- **Hide information/Show information**: hide or display the caller's phone number, or name if saved in Contacts.
- **Mute**: turn off the microphone, camera, or key tones.
- **Display options**: access the camera settings for the video call.
  - Effects**: change the colour tone of the image.
  - Quality**: change the image quality.
  - Brightness**: display the brightness control bar.
- **Zoom**: display the zoom control bar.
- **Settings**: change the default settings for the video call feature. ► p. 70
- **Contacts**: locate or store contacts in Contacts.
- **Add to Contacts**: add the currently dialled number to Contacts, if not saved.

- **Create SMS**: create and send a text message to other people as well as to your current call participant.
- **Send DTMF**: send Dual tone multi-frequency (DTMF) tones as a group after entering the entire number you need to send or retrieving a number from Contacts.
- **Memo**: write a memo.
- **Details**: display the currently dialled number details, if saved in Contacts.

### Managing call records

You can view the calls you have dialled, received, or missed, the length of your calls, and the cost of your calls, if your USIM/SIM card support it.

#### Accessing recent call records

You can access the most recent calls you have dialled, received, or missed.

1. In Idle mode, press [ \ ].
2. Press [Left] or [Right] to select a call type.
3. Press [Up] or [Down] to scroll to a call record.
4. Press [ \ ] to dial the number, or [Centre] to view the call details.

## Using call record options

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

- **View:** display the call details.
- **Voice call:** make a voice call.
- **Video call:** make a video call.
- **Add to Contacts:** (for numbers not saved in Contacts) save the selected number in Contacts.
- **Create message:** send a text message to the selected number.
- **Delete:** delete the call record or all records.
- **Add to reject list:** add the selected number to the list of phone numbers from which calls are rejected.
- **View contact details:** (for numbers saved in Contacts) display the contact details.
- **Call manager:** view the length and cost of your calls.  
**Data counter:** check the total amount of data you have sent or received.  
**Call costs:** check the cost of calls.  
**Call times:** check the length of calls.

## Accessing data call records

You can view the total amount of data you have sent or received.

1. While viewing the call list, press <Options> and select **Call manager**.
2. Select **Data counter**.

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

## Checking call cost

You can check the cost of calls, if your USIM/SIM card supports this network feature. Note that this is not intended to be used for billing purposes.

1. While viewing the call list, press <Options> and select **Call manager**.
2. Select **Call costs**.
  - **Total costs:** check the total cost of all your calls. If the total cost exceeds the maximum cost set in **Edit cost limit**, you must reset the counter before you can make another call.
  - **Last call cost:** check the cost of your last call.
  - **Cost limit:** check the maximum cost set.

Press <Options> to access the following options:

- **Reset call cost:** reset the cost counters.
- **Edit cost limit:** set the maximum cost authorised for your calls.
- **Setup currency:** set the price per unit that is applied when the cost of your call is calculated.



## Accessing the call time log

You can access the call time log for voice, video, and data calls you have dialled and received. The actual time invoiced will vary.

1. While viewing the call list, press <**Options**> and select **Call manager**.
2. Select **Call times**.
  - **Total dialled**: check the total length of voice calls dialled.
  - **Total received**: check the total length of voice calls received.
  - **Total video calls dialled**: check the total length of video calls dialled.
  - **Total video calls received**: check the total length of video calls received.

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

## Menu functions

*All menu options listed*

### Entertainment *(Menu 1)*

Use this menu to access and play the embedded Java games in the phone's memory. You can also download games from the homepage of Vodafone

To access this menu, press <**Menu**> in Idle mode and select **Entertainment**. ► p. 53

### Vodafone live! *(Menu 2)*

Using the **Vodafone live!** menu, you can launch the web browser on your phone and access to the homepage of Vodafone. You can access up-to-date information and a wide variety of media content, such as wallpapers, ringtones, and music files.

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

### Navigating the web browser

To	Press
scroll through browser items	[Up] or [Down].
select a browser item	[Centre].
return to the previous page	< <b>Back</b> >.

## Using browser menu options

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

- **Go to:** go to the currently selected web page.
  - **Go to homepage:** take you back to the homepage.
  - **Enter URL:** manually enter the URL address of the web page you want to access.
  - **GO:** take you to the previous or next web page.
  - **Reload:** reload the current page with updated information.
  - **To DesktopView/To SmartFitView:** change the display view mode.
  - **Bookmarks:** add the current page to your bookmark list or access the bookmark list.
  - **History:** show URLs previously visited.
  - **Send URL:** send the URL of the current page via SMS, MMS, or e-mail.
  - **Save:** save the images of the current page or the URL of the current page.
  - **Page properties:** access the current page properties.
  - **Browser options:** clear browser information and access the browser settings.
- Empty cache:** delete information stored in the cache.

**Cookies:** set the cookies to be saved or delete cookies.

**Page properties:** access the properties of the current page.


**Preferences:** change the settings for the web browser to suit your preference.

- **Java script:** set the web browser to use Java scripts.
- **Display image:** display images linked to the current page.
- **Play sound:** play sound files linked to the current page.
- **Text size:** select a font size displayed in the web browser.

**Settings:** select a connection profile to be used for connecting to the Internet. You can also make or edit a profile. ► p. 76

**About browser:** access the web browser information.

## Exiting the web browser

Press [  ] to exit the browser.

### Media player (Menu 3)

Use this menu to download and enjoy media files, such as music files and video clips. Using the Media player, you can also play the video clips you have recorded.

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

### Downloading or receiving media files

Use these methods to save media files to your phone:

- Download from the wireless web ► p. 30  
You can also download from the wireless web by selecting **More music** or **More movie** in the Media player.
- Download from a computer using Samsung PC Studio ► Samsung PC Studio User's Guide
- Receive via IrDA or Bluetooth ► p. 73, p. 75

### Playing music files

Using the Media player, play music files.

#### Creating a music play list

Create a play list and add music files.

- Scroll to the **Music** tab.
- Press **<Options>** and select **Create playlist**.

- Enter a name for the play list and press **<Save>**.
- Select the play list you just created.
- Press **<Options>** and select **Add** and then **Folder** or **Files**.
- Select a folder or files you want to add to the play list.
- Press **<Save>**.

### Playing a music file

- From the Media player screen, scroll to the **Music** tab.
- Select a play list in which you want to play music files and select a file. The file plays.

During playback, use the following keys:

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

## Using music player options

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

- **Pause/Resume:** pause or resume playback.
- **Stop:** stop playback.
- **View bookmark:** display the URLs you have bookmarked for streaming media files.
- **View history:** display the URLs from which you have received streaming media services.
- **Open playlist:** open the play list.
- **Send:** send the file via MMS, e-mail, Bluetooth, or the infrared port.
- **Details:** access the file details.
- **Player settings:** change the default settings for playing music files.

**Play options:** select a repeat mode.

**Volume:** select a volume level.

**Controller:** display or hide the control bar of the Media player.

**Audio player skin:** select a player skin.

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

- **Play:** play the currently selected file.
- **Add:** add a file or folder to the play list.
- **Move in playlist:** move the selected file to the position you want within the play list.

- **Send:** send the file via MMS, e-mail, Bluetooth, or the infrared port.
- **Set as:** set the file as a ringer melody for a voice call or video call, or as a caller alert melody.
- **Remove:** remove the selected file or all files from the play list.
- **Details:** access the file details.

## Playing video clips

Using the Media player, play video clips.

### Playing a video clip

1. From the Media player screen, scroll to the **Video** tab.
2. Select a file. The file plays.

During playback, use the following keys:

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

### Using video player options

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

- **Pause/Resume:** pause or resume playback.
- **Stop:** stop playback.
- **View bookmark:** display the URLs you have bookmarked for streaming media files.
- **View history:** display the URLs from which you have received streaming media services.
- **Open playlist:** open the play list.
- **Send:** send the selected file via MMS, e-mail, Bluetooth, or the infrared port.
- **Details:** access the file details.
- **Player settings:** change the default settings for playing video clips.

**Play options:** select a repeat mode.

**Volume:** select a volume level.

**Controller:** hide or display the control bar of the Media player.

**Audio player skin:** select a player skin.


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

- **Play:** play the currently selected file.
- **View bookmark:** display the URLs you have bookmarked for streaming media files.
- **View history:** display the URLs from which you have received streaming media services.

- **Send:** send the file via MMS, e-mail, Bluetooth, or the infrared port.
- **Delete:** delete the selected file or all files.
- **Rename:** change the file name.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file details.

### Camera (Menu 4)

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

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



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

### Taking a photo

The camera will produce JPG photos.



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

1. Access the **Camera** menu or press and hold [] to turn on the camera.
2. Press [] to switch between the interior lens and exterior lens.
3. Aim the camera lens at the subject and adjust the image.
  - Press < [] > to use the camera options. See the next section.
  - Use the keypad to change the camera settings or switch to other modes. ► p. 36
4. Press [Centre] to take a photo. The photo is saved in the **Pictures** folder.

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

To	Press
use photo options	<  >. ► p. 36
send the photo via MMS or postcard	[Centre].
delete the photo	[C] and then <Yes>.
return to Capture mode	<  >.

## Using camera options in Capture mode

In Capture mode, press < [] > to access the following options:

- **Take photo:** take a photo.
- **Switch camera:** switch between the interior lens and exterior lens.
- **Shooting mode:** take a photo in the following modes:
  - Single shot:** take a photo in the normal mode.
  - Mosaic shot:** take several stills and save them in one frame. You can select the layout. Press [Centre] to take each photo.
  - Multi-shot:** take several action stills. You can select the number of still images the camera will take.
- **Effects:** change the colour tone of the image or apply a special effect.
- **Frames:** apply a decorative frame.
- **Timer:** set a time delay before the camera takes a photo.
- **Zoom/Hide zoom:** display the zoom control bar, or hide the control bar.
- **Brightness/Hide brightness:** display the brightness control bar, or hide the control bar.
- **Record video:** switch to Record mode.

- **Go to photos:** access the photos you have taken.
- **Camera settings:** change the default settings for taking a photo.  
**Size:** select an image size.  
**Quality:** select an image quality.  
**Viewfinder:** select a preview screen mode.  
**Shutter sound:** select a camera shutter sound.  
**Multi-shot speed:** select the shutter speed between each shot in Multi-Shot mode.  
**Single shot mode:** set whether or not the preview screen is displayed after taking a photo in Single Shot mode.  
**Default name:** change the default prefix of the file name.
- **Camera shortcuts:** display the functions of the keys you can use in Capture mode.


### Using the keypad in Capture mode

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

Key	Function
Right	Switches to Record mode. ► p. 37
Up/Down	Zooms in or out.
▲	Flips the image vertically.
▼	Shows the mirror image.

Key	Function
1	Changes the image size.
2	Changes the image quality.
3	Changes the shooting mode and the number of photos for multi-shots.
4	Sets a time delay before the camera takes a photo.
5	Adds a decorative frame.
6	Changes the colour tone of the image or apply a special effect.
0	Accesses the photos you have taken. ► p. 49

### Using photo options

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

- **Send:** send the photo via MMS, postcard, Bluetooth, or the infrared port. You can also send the photo to the online media album, if provided.
- **Delete:** delete the photo.
- **Viewfinder:** return to Capture mode.
- **Set as:** set the photo as your wallpaper for main display or external display, or as a caller ID image for a Contacts entry.
- **Edit photo:** edit the photo and save it as a different name. ► p. 50

- **Rename:** change the name of the photo.
- **Go to photos:** access the photos you have taken.
- **Lock/Unlock:** lock the photo to prevent it from being deleted, or unlock the photo.
- **Hidden from bluetooth/Visible to bluetooth:** hide the photo so that other Bluetooth devices cannot access it, or not.
- **Details:** access the photo details.

### Taking and sending a photo as a postcard

Vodafone provides you with the postal service. Using this service, you can send a photo as a postcard along with a simple greeting.

☒ The postal service may not be available depending on your country.

1. After taking a photo, press [Centre] and select **As postcard**.
2. Enter a message.
3. Press [Up] to access the Recipient line.
4. Press <Options> and select **Add recipient** → **Contacts** or **Group** → a contact.
5. If you select **Recipient details**, specify the following destination information: Name, Additional information, Street & Number, Postal code, City, State/Province, and Country.
6. Press <Options> and select **Send**.

### Recording a video


You can use your phone just like a camcorder to record what is currently displayed on the camera screen and save it as a video file. The camera will produce 3gp video clips.

1. Access the **Camera** menu or press and hold [Ⓜ] to turn on the camera.
2. Press [Right] to switch to Record mode.
3. Press [Ⓜ] to switch between the interior lens and exterior lens.
4. Aim the camera lens at the subject and adjust the image.
  - Press <Ⓜ> to use the camera options. See the next section.
  - Use the keypad to change the camera settings or switch to other modes. ▶ p. 38
5. Press [Centre] to start recording.  
To pause, press <Pause>.
6. When you have finished, press [Centre]. The video is saved in the **Videos** folder.

To	Press
play back	[Centre]. ▶ p. 39
use video options	<Options>. ▶ p. 39
return to Record mode	<Back>



## Using camera options in Record mode

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

- **Record video:** start recording.
- **Switch camera:** switch between the interior lens and exterior lens.
- **Effects:** change the colour tone of the image or apply a special effect to the image.
- **Timer:** set a time delay before the camera starts recording.
- **Zoom/Hide zoom:** display the zoom control bar, or hide the control bar.
- **Brightness/Hide brightness:** display the brightness control bar, or hide the control bar.
- **Take photo:** switch to Capture mode.
- **Go to videos:** access the video clips you have recorded.
- **Video settings:** change the following settings for recording a video:  
**Recording time:** select a video recording mode. If you select **Limit for MMS**, you can record a video suitable for an MMS message.  
**Size:** select an image size.  
**Quality:** select an image quality.  
**Audio recording:** turn the audio on or off.  
**Default name:** change the default prefix of the video name.

- **Camcorder shortcuts:** display the functions of the keys you can use in Record mode.

## Using the keypad in Record mode

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

Key	Function
Left	Switches to Capture mode. ► p. 34
Up/Down	Zooms in or out.
▲	Flips the image vertically.
▼	Shows the mirror image.
1	Changes the frame size.
2	Changes the image quality.
3	Changes the video recording mode.
4	Sets a time delay before the camera starts recording.
5	Turns the audio on or off.
6	Changes the colour tone of the image or apply a special effect.
0	Accesses the video clips you have recorded. ► p. 51

## Using video options

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

- **Play:** play back the video clip.
  - **Send:** send the video clip via MMS, Bluetooth, or the infrared port. You can also send the video clip to the online media album, if provided.
  - **Delete:** delete the video clip.
  - **Viewfinder:** return to Record mode.
  - **Rename:** change the name of the video clip.
  - **Go to videos:** access the video clips you have recorded.
  - **Lock/Unlock:** lock the video clip to prevent it from being deleted, or unlock the video clip.
  - **Hidden from bluetooth/Visible to bluetooth:** hide the video clip so that other Bluetooth devices cannot access it, or not.
  - **Details:** access the video clip details.
  - **Player settings:** change the default settings for playing video clips.
- Play options:** select a repeat mode.
- Volume:** select a volume level.
- Controller:** hide or display the control bar of the Media player.
- Audio player skin:** select a player skin.

## Messaging (Menu 5)

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

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

### Create message (Menu 5.1)

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

### Writing and sending a text message

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

- ☒ The maximum number of characters allowed in a short message varies by Vodafone. If your message exceeds the maximum number of characters, the phone will split the message.

1. Select **Message**.
2. Enter your message.  
Press **<Options>** and select **Insert** to add a text template, emoticon, or contact entry.
3. When you have finished, press [Centre] and select **Add recipients** → **Contacts** or **Groups** → a contact or group.
4. Press [Centre] and select **Send** to send the message.

### Writing and sending a multimedia message

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

1. Select **Message**.
2. Enter your message.
3. Press **<Options>** to access the following options to add files:
  - **Add item:** add a text box, image, sound, video, name card, or calendar item in data attachment format.

☒ • The maximum size allowed for an MMS message can differ depending on the country.  
• Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.
  - **Create item:** take a photo, record a sound, or record a video and add it to the message.
  - **Insert:** add a text template, emoticon, or contact entry.
4. When you have finished, press [Centre] and select **Add recipients** → **Contacts** or **Groups** → a number or e-mail address, or a group.
5. Press [Centre] and select **Send** to send the message.

### Email (Menu 5.1.2)

You can send and receive e-mails that include text, audio, and images. To use this feature, you need to subscribe to an e-mail service and set up your e-mail account. ► p. 47

1. Enter the e-mail text.
2. Press **<Options>** to access the following options to add files:
  - **Add item:** add a media file, name card, or calendar item in data attachment format.








☒ Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.
  - **Create item:** take a photo, record a video, or record a sound and add it to the e-mail.
  - **Insert:** add a text template, or emoticon, contact entry.
3. When you have finished, press [Centre] and select **Add recipients** → **Contacts** or **Groups** → a contact or group.
4. Press [Centre] and select **Send** to send the e-mail.

### Inbox (Menu 5.2)

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

## Viewing a message

The following icons are available on the message list, depending on the message type:

-  **SMS**
  -  **MMS notification**
  -  **MMS**
  -  **Configuration messages, containing network parameters from Vodafone**
  -  **CB messages**
  -  **Push messages**
-  Depending on the DRM (Digital Rights Management) system, you may not be able to forward some messages.
  - An **!** icon shows that a message was sent with high priority. A grey icon means that the message is of low priority.

## Using message options

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

### SMS messages

- **Reply:** reply to the sender.
- **Forward:** forward the message to other people.
- **Delete:** delete the message.
- **Move to SIM/Move to phone:** move the message between the phone's memory and the USIM/SIM card.

- **Add to Contacts:** extract phone numbers from the message and save them in Contacts.

### MMS notifications/MMS messages

- **Retrieve:** retrieve the message from the server. This option is only available when you select an MMS notification.
- **Play:** open the message.
- **Reply:** send a reply to the sender.
- **Reply to all:** send a reply to all recipients.
- **Forward:** forward the message to other people.
- **Activate/Reactivate:** get a license key when the key for the selected DRM file expires.
- **Send to Media album:** send the message to the online media album, if provided.
- **Delete:** delete the message.
- **Save as MMS template:** save the message as a template in the **MMS templates** folder.
- **Add to Contacts:** extract phone numbers or e-mail addresses from the message and save them in Contacts.
- **Details:** access the message details.

### Configuration messages

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

### CB messages

- **Save:** save the message in the phone's memory.
- **Delete:** delete the message.
- **Sort by:** change the sort order of messages.

### Push messages

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




### Email inbox (Menu 5.3)

This folder stores e-mails that you have received.

### Viewing received e-mails

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

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

-  : Retrieved e-mail
-  : Retrieved e-mail with attachments.
-  : E-mail not retrieved

☒ An ! icon shows that an e-mail was sent with high priority. A grey icon means that the e-mail is of low priority.

3. Select an e-mail or header.

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

### Using e-mail options

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

- **View:** display the message.
- **Reply:** send a reply to the sender.
- **Reply to all:** send a reply to all recipients.
- **Forward:** forward the e-mail to other people.
- **Download:** download new e-mails or headers from the e-mail server.
- **Delete selected:** delete the selected e-mail from the phone's memory, or from both the phone's memory and the e-mail server.
- **Delete all:** delete all e-mails from both the phone's memory and the e-mail server.
- **Sort by:** change the sort order of the list.
- **Save items:** save the files attached to the e-mail in the phone's memory.
- **Add to Contacts Phone/Add to Contacts SIM:** extract phone numbers or e-mail addresses from the e-mail and save them in Contacts.
- **Block Address/Subject:** add the sender's e-mail address or e-mail subject to the Block list.
- **Details:** access the e-mail details.

## Drafts *(Menu 5.4)*

---

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

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



- **Edit**: edit the selected message.
- **Send**: send the selected message.
- **Delete**: delete the selected message or all messages.
- **Sort by**: change the sort order of messages.
- **Details**: access the message details.

## Outbox *(Menu 5.5)*

---

This folder stores messages you have failed to send or you are attempting to send.

The following icons indicates the sending status of messages:

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

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

- **Cancel sending**: cancel sending the message, if the message is being sent.
- **Edit**: edit the selected message.
- **Send again**: resend the message.

- **Delete**: delete the selected message or all messages.
- **Sort by**: change the sort order of messages.
- **Details**: access the message details.

## Sentbox *(Menu 5.6)*

---

This folder stores messages that you have sent successfully.

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

- **View**: display the selected message.
- **Forward**: forward the message to other people.
- **Delete**: delete the selected message or all messages.
- **Move to phone/Move to SIM**: move the message between the phone's memory and the USIM/SIM card.
- **Sort by**: change the sort order of messages.

## Call voicemail *(Menu 5.7)*

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

### Templates (Menu 5.8)

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

#### MMS templates (Menu 5.8.1)

Use this menu to preset frequently used MMS messages. You can also download MMS templates from the website preset by Vodafone.

1. Press **<Options>** and select **Add new**.
2. Create a template as you would create an MMS message. ► p. 40
3. Press **<Options>** and select **Add subject**.
4. Enter the subject for the template.
5. When you have finished, press **<Options>** and select **Save as template**.

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

- **View:** open the template.
- **Edit and send:** edit and send the template via MMS.
- **Add new:** add a new template.
- **Delete:** delete the selected template or all templates.

#### Text templates (Menu 5.8.2)

Use this menu to preset frequently used text messages.

1. Press **<Add new>**.
2. Create a template as you would create an SMS message. ► p. 39
3. When you have finished, press [Centre].

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

- **Edit and send:** edit and send the template via SMS, MMS, or e-mail.
- **Add new:** add a new template.
- **Delete:** delete the selected template or all templates.

#### Delete all (Menu 5.9)

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Use this menu to delete all of the messages in each message folder one by one, or all at once. You can also delete all of the messages in all folders at one time.

1. Press [Centre] to check the message folder(s) you want.
2. Press **<Delete>**.
3. Press **<Yes>** to confirm the deleting.

## Settings (Menu 5.0)

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

### MMS (Menu 5.0.1)

You can configure the default MMS settings.

- **Sending options:** set up the following options for sending MMS messages:
  - Priority:** set the priority level of your messages.
  - Expiration:** set the length of time your messages are stored in the MMS server.  
If you select **Custom time**, specify the length of time you want.
  - Delivery:** set a time delay before messages are sent.
  - Hide address:** set your address to be hidden from the recipient's phone.
  - Request delivery report:** set the network to inform you when your message has been delivered successfully.
  - Request read report:** request a report from each recipient as to when your message was read by the recipient.
  - Keep a copy:** leave the copies of your messages in the **Sentbox** folder after sending.

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

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

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

**Home network** and **Foreign network** have the following options:

**Auto download:** the phone automatically retrieves messages from the server.

**Manual:** the phone receives notifications first from the server. Use the **Retrieve** option to manually download new messages.

**Restricted:** (for **Foreign network**) the phone receives notifications first from the server. When you attempt to download new messages, the phone informs you of additional charges.

**Reject:** the phone rejects all messages.

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

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

**Reject unknown:** reject messages from unknown senders.

**Reject advertisement:** reject advertisements.



- **MMS profiles:** select a connection profile to be used for MMS. You can also make or edit a profile. ► p. 76
- **Message size:** select the maximum file size of MMS attachment. This file size may vary, depending on your country.
- **Creation mode:** select MMS creation mode.  
**Restricted:** you are not able to create and send messages using unsupported file formats.  
**Warning:** the phone informs you when you create and send a message using unsupported file formats.  
**Free:** you can create and send messages adding unsupported file formats.
- **Default style:** customise the default settings for creating an MMS message.  
**Font colour:** select a font colour.  
**Font style:** select a font style.  
**Background colour:** select a background colour.  
**Slide interval:** select a length of time the display shows one page in a message.

### SMS (Menu 5.0.2)

You can configure the default SMS settings.

- **Sending options:** set up the following options for sending an SMS message:  
**Reply path:** allow the recipient to reply to you through your SMS server.

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

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

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

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

- **SMS centre settings:** select a profile to be used for SMS or set up the SMS server. Press **<Options>** and select **Edit** to access the following properties:

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

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

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

**Name:** enter a profile name.

## Email (Menu 5.0.3)

You can configure the default e-mail settings.

- **Sending options:** set up the following options for sending an e-mail:  
**From:** enter a sender name.  
**Send account:** select the default account.  
**Priority:** change the priority level of your e-mails.  
**Keep a copy:** leave the copies of your e-mails in the **Sentbox** folder after sending.  
**Include body when replying:** set whether or not the phone includes the original e-mail text in a reply.  
**Request read report:** request a report from each recipient as to when your message was read by the recipient.  
**Request delivery report:** set the network to inform you when your e-mail has been delivered.  
**Add my contact details:** allow your contact information to be attached to e-mails.  
**Add signature:** allow your signature to be attached to e-mails.  
**Input signature:** make your signature.
- **Receiving options:** set up the following options for receiving an e-mail:  
**Set download limit:** determine the maximum size for incoming e-mails. Your phone will reject e-mails that exceed the specified size.

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

**Block address:** specify e-mail addresses from which messages will not be accepted.

**Block subject:** specify e-mail subjects you will not accept.

- **Email profiles:** select a network connection profile to be used for sending and receiving e-mails. You can also make or edit a profile.  
 ▶ p. 76



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

- **Email accounts:** select an account to be used and set up e-mail accounts. Press <**Options**> and select **Edit** to access the following options:  
**Account name:** enter a name for the currently selected account.  
**SMTP server:** enter the IP address or domain name of the outgoing e-mail server.  
**SMTP port:** enter the SMTP port number.  
**Use secure connection:** use the secure connection for accessing the SMTP server.  
**Email retrieval server type:** select the protocol for the incoming e-mail server. The remaining options depend on the protocol type setting.

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

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

**Use secure connection:** use the secure connection for accessing the POP3 or IMAP4 server.

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

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

**My address:** enter your e-mail address.

**User name:** enter the user name for SMTP/POP3/IMAP4 server connections.

**Password:** enter the password for SMTP/POP3/IMAP4 server connections.

**Use SMTP authentication:** activate the SMTP authentication.

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

**User name:** enter the SMTP user name.

**Password:** set the SMTP password.

### **Voice mail** (Menu 5.0.4)

You can change the number of the voicemail server.

### **Push message** (Menu 5.0.5)

You can set the phone to automatically or manually access the web server from which the message is sent when a new push message is received.

### **Broadcast** (Menu 5.0.6)

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

- **Receiving Options:** enable or disable the reception of broadcast messages.
- **Channel List:** specify the channels from which you receive broadcast messages.
- **Select language:** select the language(s) in which broadcast messages display.

### **Memory status** (Menu 5. \*)

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

## My files *(Menu 6)*

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






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

### Tips for DRM

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

You can acquire the key from the website which owns the rights to the content.

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.

### Pictures

This menu displays wallpaper images, photos you have taken, and images you have downloaded or received in messages. Files in formats, such as, gif, jpg, png, bmp, are stored here.

## Viewing an image

Scroll to an image and press [Centre].

### Using image options

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

- **Edit**: edit the image and save it as a different name. ► p. 50
- **Send**: send the selected file via MMS, e-mail, Bluetooth, or the infrared port.
- **Set as**: set the image as your wallpaper for the main display or external display, or a caller ID image for a Contacts entry.
- **Zoom**: zoom in or out.
- **Delete**: delete the file.
- **Rename**: change the name of the file.
- **Print via**: print the file by connecting the phone to a printer via USB or Bluetooth.
- **Slide show**: set all images to display as a slide show.
- **Lock/Unlock**: lock the file to prevent it from being deleted, or unlock the file.
- **Details**: access the file details.

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

- **View**: open the selected file.
- **Send**: send the selected file via MMS, e-mail, Bluetooth, or the infrared port.

- **Send to Media album:** upload the selected file to the online media album, if provided. ► p. 57
- **Set as:** set the image as your wallpaper for the main display or external display, or as a caller ID image for a Contacts entry.
- **Sort by:** change the sort order of files.
- **Move to:** move the file to another folder or a site in the phone's memory.
- **Copy to:** copy the file to another folder or a site in the phone's memory.
- **Delete:** delete the file or all of the files stored in the folder.
- **Take photo:** switch to Capture mode to take a photo. ► p. 34
- **Rename:** change the name of the file.
- **Create folder:** create a new folder.
- **Hidden from bluetooth/Visible to bluetooth:** hide the file so that other Bluetooth devices cannot access it, or not.
- **Print via:** print the file by connecting the phone to a printer via USB or Bluetooth.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file details.

### Editing an image

1. Select an image.
2. Press <Options> and select **Edit**.

3. Press <Options> to access the following editing options:
  - **Save as:** save the image as a different name.
  - **Resize:** change the image size.
  - **Effects:** change the colour tone or apply a special effect.
  - **Partial effects:** apply a partial effect.
  - **Adjust:** adjust the image brightness, contrast, or colour balance.
  - **Frames:** apply a decorative frame.
  - **Cliparts:** add an image clip.
  - **Insert text:** add text.
  - **Rotate:** rotate the image 90 degrees clockwise or counterclockwise.
  - **Flip:** flip the image vertically or horizontally.
  - **Crop:** select a variously sized and shaped section of the image.
4. When you have finished, press <Done>.
5. Press [Centre] and enter a name for the image.
6. Press <Save> to save the image.

### Downloading an image

Use this menu to download an image from the website preset by Vodafone.

1. On the Pictures screen, select **More Pictures**.
2. Search for an image and follow the onscreen instructions to download it.

## Videos

This menu displays video clips you have recorded, downloaded, or received in messages. **Files in formats, such as, mp4, 3gp, rm, rv, are stored here.**

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

### Playing a video clip

Scroll to a video clip and press [Centre]. ► p. 33

### Using video options

During playback, press <Options> to access options. ► p. 34

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

- **Play:** play the file.
- **Send:** send the selected file via MMS, e-mail, Bluetooth, or the infrared port.
- **Send to Media album:** upload the selected file to the online media album, if provided. ► p. 57
- **Sort by:** change the sort order of files.
- **Move to:** move the file to another folder or a site in the phone's memory.
- **Copy to:** copy the file to another folder or a site in the phone's memory.
- **Delete:** delete the file or all of the files stored in the folder.

- **Record video:** switch to Record mode to record a video. ► p. 37
- **Rename:** change the name of the file.
- **Create folder:** create a new folder.
- **Hidden from bluetooth/Visible to bluetooth:** hide the file so that other Bluetooth devices cannot access it, or not.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file details.

### Downloading a video clip

Use this menu to download a video clip from the website preset by Vodafone.

1. On the Videos screen, select **More videos**.
2. Search for a video clip and follow the onscreen instructions to download it.

## Sounds and ringtones

This menu displays sound files you have downloaded or received in messages. You can also access the voice memos you have recorded. **Files in formats, such as, mmf, imy, amr, mp3, aac, are stored here.**

### Playing a sound file

Scroll to a sound file and press [Centre]. The sound file plays.

During playback, use the following keys:

Keys	Description
Centre	Pauses or resumes playback.
Up	(for downloaded files) Opens the play list in the <b>Media player</b> menu.
Left	Goes to the previous file.
Right	Goes to the next file.
▲/▼	Adjusts the volume.
Down	Stops playback.

### Using sound options

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

- **Pause/Resume**: pause or resume playback.
- **Stop**: stop playback.
- **View bookmark**: display the URLs you have bookmarked for streaming media files.
- **View history**: display the URLs from which you have received streaming media services.
- **Open playlist**: (for downloaded files) open the play list in the **Media player** menu.
- **Send**: send the selected file via MMS, e-mail, Bluetooth, or the infrared port.
- **Details**: access the file details.

- **Player settings**: (for downloaded files) change the default settings for playing sound files.

**Play options**: select a repeat mode.

**Volume**: select a volume level.

**Controller**: hide or display the control bar of the Media player.

**Audio player skin**: select a player skin.

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

- **Play**: play the file.
- **Send**: send the selected file via MMS, e-mail, Bluetooth, or the infrared port.
- **Set as**: set the file as a ringer melody for a voice call or video call, or as a caller alert melody.
- **Sort by**: change the sort order of files.
- **Move to**: move the file to another folder or a site in the phone's memory.
- **Copy to**: copy the file to another folder or a site in the phone's memory.
- **Delete**: delete the file or all of the files stored in the folder.
- **Record sound**: record a new voice memo.
- **Rename**: change the name of the file.
- **Create folder**: create a new folder.
- **Hidden from bluetooth/Visible to bluetooth**: hide the file so that other Bluetooth devices cannot access it, or not.

- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file details.

### Downloading a sound file

Use this menu to download a sound file from the website preset by Vodafone.

1. On the Sounds and ringtones screen, select **More sound and ringtones**.
2. Search for a sound file and follow the onscreen instructions to download it.

### Games

---

Use this menu to download and store Java games.

#### Using application options

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

- **Start:** launch the selected application.
- **Move to:** move to the application to the **Games** or **Applications** folder.
- **Copy to:** copy the application to the **Games** or **Applications** folder.
- **Delete:** delete the selected application or all applications.
- **Lock/Unlock:** lock the application to prevent it from being deleted, moved, and renamed, or unlock the application.
- **Details:** access the application details.

- **Permissions:** set whether or not the phone displays a security warning message when you use security functions.
- **Settings:** activate a connection profile to be used for accessing an application server. You can also make or edit a profile. ► p. 76

### Downloading a Java game

You can download a Java game from the website preset by Vodafone.

1. On the Games screen, select **More games**.
2. Search for a game and follow the onscreen instructions to download it.

### Applications

---

Use this menu to download and store various applications.

#### Using application options

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

- **Start:** launch the selected application.
- **Move to:** move to the application to the **Games** or **Applications** folder.
- **Copy to:** copy the application to the **Games** or **Applications** folder.
- **Delete:** delete the selected application or all applications.



- **Lock/Unlock:** lock the application to prevent it from being deleted, or unlock the application.
- **Details:** access the application details.
- **Permissions:** set whether or not the phone displays a security warning message when you use security functions.
- **Settings:** activate a connection profile to be used for accessing an application server. You can also make or edit a profile. ► p. 76

### Downloading an application

You can download an application from the website preset by Vodafone.

1. On the Applications screen, select **More applications**.
2. Search for an application and follow the onscreen instructions to download it.

### Screen savers

---

Use this menu to download and store screensavers.

#### Using application options

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

- **View:** display the application.
- **Set/Reset:** select the application, or deselect the application.
- **Delete:** delete the selected application or all applications.

- **Lock/Unlock:** lock the application to prevent it from being deleted, or unlock the application.
- **Permission:** set whether or not the phone displays a security warning message when you use security functions.
- **Settings:** select the length of time before the application starts.

### Downloading a screensaver

You can download a screensaver from the website preset by Vodafone.

1. On the Screen saver screen, select **More Screensavers**.
2. Search for a screensaver and follow the onscreen instructions to download it.

### Themes

---

Use this menu to download and store themes.

#### Using file options

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

- **View:** display the selected file.
- **Set:** set the selected file to be used for the theme.
- **Sort by:** change the sort order of files.
- **Move to:** move the file to another folder or a site in the phone's memory.
- **Copy to:** copy the file to another folder or a site in the phone's memory.

- **Delete:** delete the selected file or all files.
- **Rename:** change the name of the file.
- **Create folder:** create a new folder.
- **Hidden from bluetooth/Visible to bluetooth:** hide the file so that other Bluetooth devices cannot access it, or not.
- **Lock/Unlock:** lock the file to prevent it from being deleted, or unlock the file.
- **Details:** access the file details.

## Downloading a theme

You can download a theme from the website preset by Vodafone.

1. On the Theme screen, select **More themes**.
2. Search for a theme and follow the onscreen instructions to download it.

## Other documents

Use this menu to store other files, such as contacts, calendar items, and other media files. You can also view or play files [via File Viewer](#).


You can add contacts and calendar items stored here to **Contact** or **Calendar**. Scroll to the contact or calendar item you want and press **<Options>** and select **Register to contact** or **Register to calendar**.

## Viewing a file

You can view document files or play animations on the phone [using File Viewer](#).

## Viewing a document

The phone can display the following document file formats: doc, ppt, xls, pdf, and txt.

 Depending on the file size or memory capacity of [File Viewer](#), a file may not open properly.

Use the following keys to view the file:

Keys	Function
Centre	Fits the file to the page size.
Up/Down/ Left/Right	Pans the page.
▲/▼	Zooms in or out.
2	Returns to the first page.
4	Returns to the previous page.
5	Rotates the document 90 degrees clockwise.
6	Moves to the next page.
8	Moves to the last page.
*	Changes the display to Full screen view or Normal screen view.

### Using document options

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

- **Full screen view/Normal view:** change the display to Full screen view or Normal screen view.
- **Zoom:** zoom in or out.
- **Fit to screen:** fit the documnet to the page size, screen width, or screen height.
- **Go to:** move to another page of the documnet.
- **Rotate:** rotate the documnet 90 degrees clockwise.
- **Screen panning:** pan the page.
- **Hide controller/Show controller:** (available for Full screen view) hide or display the Viewer control bar.
- **Send:** send the documnet via e-mail, Bluetooth, or the infrared port.
- **Delete:** delete the documnet.
- **Rename:** change the name of the document.
- **Hidden from bluetooth/Visible to bluetooth:** hide the documnet so that other Bluetooth devices cannot access it, or not.
- **Lock/Unlock:** lock th documnet to protect it from being deleted.
- **Details:** (available for Full screen view) access the documnet details.

- **FileViewer Shortcuts:** display the functions of the keys you can use while viewing the document.

### Viewing an animation

The phone can display the following file formats: swf, svg, and svgz.



- Outdated version files may not play properly.
- The Viewer does not support audio.

### Using animation options

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

- **Full screen view/Normal view:** change the display to Full screen view or Normal screen view.
- **Zoom:** zoom in or out.
- **Pause:** pause playing.
- **Resume:** resume playing.
- **Quality:** select the image quality.
- **Rotate:** rotate the image 90 degrees clockwise.
- **Set as:** set the image as your wallpaper for the main display.
- **Send:** send the image via e-mail or Bluetooth.
- **Delete:** delete the image.
- **Rename:** change the name of the image.
- **Hidden from bluetooth/Visible to bluetooth:** hide the image so that other Bluetooth devices cannot access it, or not.

- **Lock/Unlock:** lock the image to protect it from being deleted, unlock the file.
- **Details:** access the image details.

## Media album

Use this menu to access live! Studio page, the online media album, and upload media files, such as images, video clips, sound files, and music files to safe storage on the web. Register on the Vodafone website for your free live! Studio can be found on Vodafone's website or by contacting customer service.

- ☒ This feature may not be available, depending on the country.

## Memory status

Use this menu to view memory available for media files stored in the **My files** menu.

## Organiser & Tools (Menu 7)

The Organiser & Tools feature enables you to create and manage your schedule and tasks, to set alarms, to record voice memos, to set time zone, and use the phone as a calculator or converter. You can also synchronise Contacts, Schedule, Tasks, Memo in the phone's memory with a web server.

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

## Vodafone (Menu 7.1)

If you use an USIM/SIM card that provides additional services, the Vodafone menu displays.

For further details, see your USIM/SIM card instructions.

## Applications (Menu 7.2)

Use this menu to access applications stored in the **Applications** folder. ► p. 53

## Alarms (Menu 7.3)

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

### Setting an alarm

1. Select the type of alarm.
2. Specify the following alarm settings:
  - **Name:** (for a normal alarm) assign a name for the alarm.
  - **Alarm activation:** select **On** to activate the alarm clock.
  - **Alarm time:** enter the time for the alarm.
  - **Alert tone:** select an alarm tone.
  - **Repeat:** select a repeat option.
  - **Snooze:** set the alarm to snooze after 5 minutes.
3. Press [Centre] to save the alarm.

### Stopping an alarm

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

- Press **<OK>** to stop and confirm the alarm.
- If you want to use the snooze alarm, press **<Snooze>** to stop the alarm and cause it to sound 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 activation** line and press [Centre].

### Setting the alarm to ring even if 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 ring, the phone is switched on and sounds the alarm.

### Calendar *(Menu 7.4)*

---

Use this menu to keep track of your schedule.

When you open the calendar, the current date is marked in grey in monthly view mode.

#### Selecting a day

- Press [Left] or [Right] to move by day.
- Press [Up] or [Down] to move by week.
- Press [ $\blacktriangle$ / $\blacktriangledown$ ] to move by month.

### Using calendar options

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

- **View**: display the stored events for that date.
- **View mode**: change the calendar view mode.
- **Create**: add a new scheduled event, anniversary, holiday, task, or memo.
- **Go to**: go to the current date or a specific date.
- **Event list**: display all items of the selected event type.
- **Settings**: change the default calendar settings.  
▶ p. 72
- **Missed event alarm**: access the missed event alarms.
- **Memory status**: display the number of events of each type you have created, and the total number of events you can store.

### Entering a new scheduled event

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

- **Location:** enter information about the event location.
  - **Alarm:** select to set an alarm for the event. You can set how long before the event the alarm is to alert you and select an alarm tone.
  - **Repeat:** select to set the event to recur. You can select a repeat unit and set the date to end repeating.
  - **Expiry:** set when the event will be removed from the calendar.
4. Press [Centre] to save the event.

### Entering a new anniversary

1. Select a date on the calendar.
2. Press <**Options**> and select **Create** → **Anniversary**.
3. Enter information or change the settings in the following entry fields:
  - **Occasion:** enter information about the anniversary.
  - **Date:** enter the date.
  - **Alarm:** select to set an alarm for the anniversary. You can set how long before the anniversary the alarm is to alert you, enter the time, and select an alarm tone.
  - **Repeat every year:** select to set the phone to remind you of the anniversary every year.
4. Press [Centre] to save the anniversary.

### Entering a holiday

1. Select a date on the calendar.
2. Press <**Options**> and select **Create** → **Holiday**.
3. Enter information or change the settings in the following entry fields:
  - **Occasion:** enter information about the holiday.
  - **Date:** enter the date.
  - **Repeat every year:** select to set the phone to remind you of the holiday every year.
4. Press [Centre] to save the holiday.

### Entering a task

1. Select a date on the calendar.
2. Press <**Options**> and select **Create** → **Tasks**.
3. Enter information or change the settings in the following entry fields:
  - **Title:** enter the title for the task.
  - **Task:** enter the task content.
  - **Start date:** enter the starting date.
  - **Due date:** enter the ending date.
  - **Alarm:** select to set an alarm for the task. You can set how long before the task the alarm is to alert you, enter the time, and select an alarm tone.
  - **Priority:** select a priority level.
4. Press [Centre] to save the task.






### Entering a memo

1. Enter the memo text and press [Down].
2. Enter the date.
3. Press [Centre] to save the memo.

### Viewing an event

1. Select a date on the calendar to display the events for that day. The list of events displays.

The following icons indicate the type of events:

-  Scheduled events
-  Anniversaries
-  Holidays
-  Tasks
-  Memos

2. Select an event to view its details.

### Using event options

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

- **View:** access the selected event.
- **Create:** add a new scheduled event, anniversary, holiday, task, or memo.
- **Send schedule:** (for Schedule) send the scheduled event via SMS, MMS, e-mail, Bluetooth, or the infrared port.
- **Send task:** (for Tasks) send the task via SMS, MMS, e-mail, Bluetooth, or the infrared port.
- **View mode:** change the calendar view mode.
- **Completed/To do:** (for Tasks) change the status of the selected task.

- **Event list:** display all items of the selected event type.
- **Delete:** delete the selected event or all of the events for the selected day.
- **Save to My files:** (for Schedule/Task) save the selected event in the **Other documents** folder.
- **Send memo:** (for Memo) send the memo via SMS.
- **Settings:** change the default calendar settings.  
▶ p. 72
- **Missed event alarm:** access the missed event alarms.
- **Memory status:** display the number of events you have created, and the total number of events you can store.

### Viewing a different mode

By default, the calendar appears in Monthly view mode. You can change the calendar display to Weekly view mode or Daily view mode.

Press <Options> and select **View mode** → a view mode.

#### Weekly view mode

Use this view mode to view events for the selected week. The current date is marked in grey. Press [▲/▼] to access another week.

Select a date to display the events for that date.

## Daily view mode

Use this view mode to view events for the selected date.

Select an event to view its details.

## Accessing a missed event alarm

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

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

## Voice memo *(Menu 7.5)*

Use this menu to record voice memos.

### Recording a voice memo

1. Press [Centre] to start recording.
2. Speak into the microphone.  
Press [Centre] to pause or resume the recording.
3. When you have finished, press [Down]. The voice memo is automatically saved.

To	Press
play back	[Centre].
use video options	< <b>Options</b> >.

To	Press
return to Record mode	[Up].
delete the voice memo	[C] and then < <b>Yes</b> >.

## Using voice memo options

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

- **Play:** play the voice memo.
- **Record:** record a new voice memo.
- **My sounds:** access the voice memos you have recorded.
- **Send:** send the voice memo via MMS, Bluetooth, or the infrared port.
- **Delete:** delete the voice memo.
- **Rename:** change the name of the voice memo.
- **Hidden from bluetooth/Visible to bluetooth:** hide the voice memo so that other Bluetooth devices cannot access it, or not.
- **Lock/Unlock:** lock the voice memo to protect it from being deleted, or unlock the voice memo.
- **Details:** access the voice memo details.
- **Record settings:** change the default settings for recording voice memos.



### Changing voice memo settings

You can change the default settings for recording voice memos. Before recording a memo, press **<Options>** and select **Record settings**.

- **Default name:** change the default prefix of voice memos.
- **Recording time:** select a maximum recording time.

### World clock (Menu 7.6)

---

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

#### Viewing a foreign time zone

1. From the world map, press [Left] or [Right] to select the city you want. As the time line moves, the time and date of the given zone display.
2. Press [Centre] to save the time zone.

#### Applying Daylight Savings Time (DST)

1. From the world map, press **<Options>** and select **Summer time**.
2. Press [Centre] to check the time zone to which you want to apply DST.
3. Press **<Done>**.
4. Press [Centre] to save the time zone.

### PIM Sync (Menu 7.7)

---

Use this menu to synchronise personal data, such as contacts, scheduled events, tasks, and memos with the web server you have specified.

#### Creating a synchronisation profile

1. Press **<Options>** and select **New sync profile**.
2. Specify the following information for the profile:
  - **Profile name:** enter a name for the profile.
  - **Sync category:** select the applications you want to synchronise with the server. You can also specify the site on the server to which you want to save the applications.
  - **Sync type:** select a synchronisation type.
  - **Sync server:** enter the web server address, or login ID and password.
  - **Network profile:** select a connection profile to be used for connecting to the web server. You can also make or edit a profile. ► p. 76
3. Press **<Save>** to save the profile.

#### Starting synchronisation

1. From the PIM sync screen, scroll to a profile you want.
2. Press [Centre].

## Using synchronisation options

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

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

## Calculator *(Menu 7.8)*

---

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

1. Enter the first number.
  - Press <.0> to include a decimal point or brackets.
  - Press [ $\times$ ] or [#] to move the cursor.
2. Enter the operation for your calculation by pressing the Navigation keys.
3. Enter the second number.
4. Press [Centre] to view the result.

## Converter *(Menu 7.9)*

---

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

## Performing a conversion

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

The equivalent value for the amount you entered displays.

## Using converter options

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

- **Clear:** clear the current values.
- **View Rate:** (for Currency) display the currency rate list. You can edit the rate or add more currency rates.
- **Reverse:** reverse the conversion.

## Memory status *(Menu 7.0)*

---

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

### Contacts (Menu 8)

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

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

### Storing a new contact

---

You can add a new contact to Contacts.

#### Storing a contact in the phone's memory

1. Scroll to the **Contacts** tab.
2. Press <Options> and select **Create contact**.
3. Select **Phone**.
4. Change the settings or enter information about the contact.
  - **First name/Last name**: assign a name.
  - **Display name**: assign a nickname.
  - **Mobile-private**: add a mobile phone number.
  - **Landline-private**: enter a fixed phone number.
  - **Landline-business**: enter a fixed business phone number.
  - **Email**: assign an e-mail address.
  - **Homepage**: enter a homepage address.

- **Group**: assign a caller group.
- **Caller ID**: assign a caller ID image.
- **Ringtone**: assign a ringtone.
- **Message tone**: select a message tone.
- **Birthday**: enter the person's birthday.
- **Note**: enter the additional note of the person.

5. If necessary, press <Options> to access the following options:
  - **Change type**: (for number type) change the selected number type.
  - **Add item**: add an additional category to the contact.
6. Press [Centre] to save the contact.

#### Storing a contact on the USIM/SIM card

1. Scroll to the **Contacts** tab.
2. Press <Options> and select **Create contact**.
3. Select **SIM**.
4. Change the settings or enter information about the contact.
  - **Name**: assign a name.
  - **Phone number**: enter a phone number.
  - **Group**: (for USIM) assign a caller group.
  - **Location**: assign a location number.



When you are using an USIM card, press <Options> and select **Add item** to add the Email, Nickname, and Additional phone number categories.

5. Press [Centre] to save the contact.

## Finding a contact

---

You can search for numbers in Contacts.

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

## Using contact options

---

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

- **View:** view the contact details.
- **Voice call:** make a voice call.
- **Video call:** make a video call.
- **Create message:** send an SMS, MMS, or an e-mail.
- **Create contact:** add a new contact in Contacts.
- **Edit:** edit the contact information.
- **Duplicate:** make a copy of the contact.
- **Delete:** delete the contact or all contacts.
- **Save to My files:** save the contact in the **Other documents** folder.

- **Send my contact details:** send the contact details via SMS, MMS, e-mail, Bluetooth, or the infrared port.
- **Assign speed dial:** assign a speed dial number. If the selected contact has more than one phone number, the speed dial number is assigned to first saved number by default.
- **My contact details:** access your name card.
- **Synchronise:** move to the **PIM Sync** menu.
- **Copy to phone/Copy to SIM:** copy the selected contact or all contacts to the phone's memory or the USIM/SIM card.
- **Settings:** customise the contact settings.  
▶ p. 71
- **Memory status:** view the number of contacts you have stored and total number of contacts you can store in Contacts.

## Organising contacts in a group

---

You can organise your contacts in caller groups. When using an USIM card, you can add groups to the card.

### Creating a caller group

1. Scroll to the **Groups** tab.
2. Press <**Options**> and select **Add**.
3. Select **Phone** or **SIM**.
4. Enter a name for the group and press [Centre].

### Adding members to a caller group

1. Scroll to the **Groups** tab.
2. Select a group.
3. Press **<Options>** and select **Add member**.
4. Press [Centre] to check the contacts you want.
5. Press **<Add>**.

### Managing caller groups

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

- **View:** display the members of the selected group.
- **Create message:** send an SMS, MMS, or an e-mail.
- **Add:** add a new group.
- **Delete:** delete the selected group.
- **Rename:** change the name of the group.
- **Group settings:** assign an image and ringtone to the selected group.

### Settings *(Menu 9)*

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

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

### Phone settings *(Menu 9.1)*

---

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

### Phone profiles *(Menu 9.1.1)*

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

### Editing a profile

1. Scroll to the profile you want to edit.
2. Press **<Options>** and select **Edit**.
3. Change the sound settings:
  - **Call alert type:** press [Centre] and select an alert type for the call ringer.
  - **Voice call ringtone:** press [Centre] and select a ring tone for the call ringer of voice calls.
  - **Video call ringtone:** press [Centre] and select a ring tone for the call ringer of video calls.
  - **Tone volume:** adjust the volume for the call ringer.

- **Message alert type:** press [Centre] and select an alert type for the message ringer.
- **Message alert tone:** press [Centre] and select a ring tone for the message ringer.
- **Message alert repetition:** select if the phone repeats reminding you of a new message.
- **Phone sounds:** press [Centre] and select the various sounds on the phone you want to turn on or off.

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

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

**Call connect tone:** cause the phone to beep when a call is connected to the system.

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

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

**Open/close folder:** cause the phone to sound when you open or close the phone.

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

- **Key tones:** press [Centre] and select a tone which sounds when you press a key.

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

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

### Changing an active profile

Select the profile you want.

### Assign ringtone (Menu 9.1.2)

Use this menu to edit the currently active sound profile.

### Phone language (Menu 9.1.3)

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

### Shortcuts (Menu 9.1.4)

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

### Assigning a shortcut to a key

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

### Using shortcut options

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

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

### Time & date (Menu 9.1.5)

Use this menu to change the current time and date displayed on your phone.

- **Time:** enter the current time.
- **Date:** enter the current date.
- **Time format:** select a 12-hour or 24-hour time format.
- **Date format:** select a date format.
- **Home zone:** select your home time zone. You can view the time difference between your home time zone and Greenwich Mean Time (GMT). If you want to apply Daylight Savings Time (DST) to your time zone, check **Daylight saving**.
- **Automatic update:** select to receive time information from your network.

### Side key (Menu 9.1.6)

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

### Anykey answer (Menu 9.1.7)

Use this menu to answer an incoming call by pressing any key, except for [**📶**], <**Reject**>, and [**▲/▼**].

### Active folder (Menu 9.1.8)

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

### Display settings (Menu 9.2)

---

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

#### Greeting message (Menu 9.2.1)

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

#### Wallpaper (Menu 9.2.2)

Use this menu to select a wallpaper type for the main display.

- **Pictures:** the phone displays the image you have set as wallpaper for the idle screen.
- **Use theme:** the phone uses the theme you have selected in the **Theme** menu.
- **None:** the phone doesn't display wallpaper.

**Theme** (Menu 9.2.3)

Use this menu to select a theme. The theme is a collection of Idle mode wallpaper, Menu mode wallpaper, power on/off image, voice/video call ringtone, and message alert tone assembled into one theme.

**Sub LCD** (Menu 9.2.4)

Use this menu to select a wallpaper type for the external display.

- **Clock:** the phone displays a clock. Press <Options> and select **Edit** to change the clock type.
- **Sub title:** the phone displays text. Press <Options> and select **Edit** to enter text.
- **Wallpaper:** the phone displays the wallpaper image. Press <Options> and select **Edit** to change the image.

**Brightness** (Menu 9.2.5)

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

**Backlight time** (Menu 9.2.6)

You can change the settings for the backlight and icons for the external display.

- **On:** select the length of time the backlight stays on in times of inactivity.
- **Dim:** select the length of time the display is in Dimming mode after the backlight turns off.

**Dialling display** (Menu 9.2.7)

Use this menu to customise the settings for the screen and numbers while dialling.

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

**Messaging settings** (Menu 9.3)

Use this menu to change the default settings for using the message feature. ► p. 45

**Call settings** (Menu 9.4)

Use this menu to set options for call functions.

**All calls** (Menu 9.4.1)

Use this menu to change the default settings for voice calls, video calls, and data calls.

- **Show my number:** prevent your phone number from being displayed on the phone of the person being called.



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

If you select **By network**, the phone will use the default setting provided by the network.

- **Closed user group:** set incoming and outgoing calls to be restricted to a selected user group. For details about how to create a closed user group, please contact Vodafone.



**Use this user group:** activate CUG index numbers.

**Outside access:** enable calls to numbers other than those in the Closed user group. This feature depends on the nature of your CUG subscription.

**Default group:** enable the default CUG, if you have set one with Vodafone. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

**Group index:** add, delete, or activate CUG index numbers.

- **Auto redial:** set the phone make up to ten attempts to redial a phone number after an unsuccessful call.
- **Auto reject:** set the phone to reject a call from the unknown or specified numbers.

### Voice call (Menu 9.4.2)

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

#### Set a call diverting option

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

1. From the **Voice call** menu, select **Diverts**.
2. Select a call diverting option:
  - **Always:** divert all calls.
  - **Busy:** divert calls when you are on another call.

- **No reply:** divert calls when you do not answer the phone.
- **Unreachable:** divert calls when you are not in an area covered by Vodafone or when your phone is switched off.
- **Cancel all:** cancel all call diverting options.

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

#### Setting a call restriction option

This network service allows you to restrict your calls.

1. From the **Voice call** menu, select **Bar calls**.
2. Select a call barring option:
  - **All outgoing calls:** prohibit outgoing calls.
  - **Outgoing intl calls:** prohibit international calls.
  - **Intl except home:** only allow calls to numbers within the current country when you are abroad, and to your home country.
  - **All incoming calls:** prohibit incoming calls.
  - **Incoming when roaming:** prohibit incoming calls when you use your phone outside of your home country.

- **Cancel all:** cancel all call barring settings, allowing calls to be sent and received normally.
3. Enter the call barring password supplied by Vodafone.



You can change the call barring password obtained from Vodafone. From the call type list, press **<Options>** and select **Change password**.

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

### Setting a call waiting option

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

1. From the **Voice call** menu, select **Waiting**.
2. Press **<Options>** and select **Activate**.

To deactivate the call waiting, select **Deactivate**.

### Video call (Menu 9.4.3)

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

- **Show my picture:** set whether or not the phone displays your image on the other's phone via the camera.
- **Select still picture:** select an image to be displayed on the other's phone if you will not show your image via the camera.

- **Try again with:** set how to retry when the phone fails to make a video call.
- **Diverts:** reroute incoming video calls to a different phone number that you specify. ► p. 70
- **Bar calls:** restrict video calls. ► p. 70

### Data call (Menu 9.4.4)

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

- **Diverts:** reroute incoming data calls to a different phone number that you specify. ► p. 70
- **Bar calls:** restrict data calls. ► p. 70
- **Waiting:** set the network to inform you when someone is trying to reach you while on another call. ► p. 71

### Contact settings (Menu 9.5)

Use this menu to set up the default contact settings.

### Speed dial (Menu 9.5.1)

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

### Assigning speed dial entries

1. Select a key location from **2** to **9**. Key **1** is reserved for your voicemail server.
2. Press **<Assign>** and select the contact you want from the contact list.

3. Select a number, if the contact has more than one number and press **<Select>**.

### Managing speed dial entries

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

- **View:** display details about the speed dial entry.
- **Voice call:** make a voice call.
- **Video call:** make a video call.
- **Change:** assign a different number to an assigned key.
- **Remove:** clear the speed dial setting.

### Dialling speed dial entries

Press and hold the appropriate key in Idle mode.

### Save new contacts to (Menu 9.5.2)

Use this menu to select the default memory location for saving a new contact.

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

### View contacts from (Menu 9.5.3)

Use this menu to select the default memory from which the phone will retrieve contacts when accessing Contacts.

### Own number (Menu 9.5.4)

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

### Calendar settings (Menu 9.6)

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Use this menu to change the default settings for the calendar.

- **Starting day:** select which day of the week the calendar starts with.
- **Default view mode:** select the default calendar view mode.

### live cast settings (Menu 9.7)

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Use this menu to customise the settings for using the live cast feature.

- **Profile:** select a network profile.
- **Activation:** set whether or not the phone receives live cast messages from the website preset by Vodafone.
- **Edit channels:** select the channels from which live cast messages are sent.
- **Ticker speed:** set the rate at which headlines on the ticker move across the screen.
- **Number of messages in ticker viewer:** select the number of headlines the ticker will display.

## Connectivity (Menu 9.8)

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

### Bluetooth (Menu 9.8.1)

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





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

- ☒ • If there are obstacles between the devices, the maximum operation distance may be reduced.
- It is recommended that you do not use the Bluetooth feature while using multimedia features such as voice recorder, camera, and Media player, or vice versa.
- Some devices may not be compatible with your phone.

### Setting up the Bluetooth feature

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

- **Activation:** activate or deactivate the Bluetooth feature.







- **My devices:** search for connectable Bluetooth devices. See the next section.
- **My phone's visibility:** allow other Bluetooth devices to connect to your phone.
- **My phone's name:** assign a Bluetooth device name to your phone, which is then displayed on other devices.
- **Secure mode:** determine if the phone asks for your confirmation when other devices access your data.
- **Answering mode:** select the answering mode for an incoming call when connected to the Bluetooth headset or hands-free car kit.  
**Normal:** answer the phone by pressing [  ] or <Accept>, or open the phone.  
**Any key:** answer the phone by pressing any key, except for [  ], <Reject>, and [  /  ].  
**Automatic:** automatically answer the phone after the specified length of time has elapsed. To select the length of time, press <Options> and select **Edit**.
- **Bluetooth service:** display available Bluetooth services.

### Searching for and pairing with a Bluetooth device

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

### 2. Select **Search for new device**.

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

- |   |  |
|---|--|
| •  Mobile phone                  | •  PDA            |
| •  Computer                      | •  <b>Printer</b> |
| •  Headset or hands-free car kit | •  Unknown device |

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

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

### 3. Select a device.

4. Enter a Bluetooth PIN code and press **<OK>**. This code is used just once and you don't need to memorise it.

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

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

### Using device options

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

- **Browse device:** search for data from the selected device and import data directly to your phone.
- **Connect:** connect to the currently selected device. You need to enter the Bluetooth PIN.
- **Disconnect:** end the connection with the device.
- **Authorize device/Unauthorize device:** determine if the phone asks you to permit connection when other devices try to connect to your phone.
- **Delete:** delete the device or all devices.
- **Rename:** change the name of the device.

### Sending data via Bluetooth

1. Activate the Bluetooth feature.
2. Select the application, **Contacts**, **My files**, or **Calendar**, in which the item you want to send is stored.
3. Scroll to the item you want and press **<Options>**.
4. Select **Send (my contact details/schedule/task/memo) → Via bluetooth**.

The phone searches for devices within range and displays a list of available devices.

5. Select a device.
6. If necessary, enter the Bluetooth PIN needed for pairing and press <OK>.

### Receiving data via Bluetooth

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

If an unauthorised Bluetooth device sends data to your phone, press <Yes> to allow the device to access your phone.

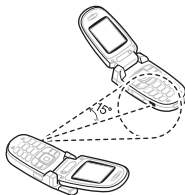
To receive data, press <Yes>.

### Infrared (Menu 9.8.2)

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

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

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



### Synchronise (Menu 9.8.3)

Use this menu to customise the settings for synchronising with the web server.

- **Sync mode:** set whether or not the phone starts the synchronisation automatically.
- **Sync frequency:** select the synchronisation frequency, if you have set the phone to automatically synchronise with the server.
- **Sync direction:** select the synchronisation direction.
- **Allow server-alerted sync:** set the phone to allow the server to initiate synchronisation.

### Network selection (Menu 9.8.4)

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

### Network mode (Menu 9.8.5)

Use this menu to select the network you use.

- **Automatic:** the phone scans for available networks.
- **GSM 900/1800:** the phone operates in the combined GSM 900/1800 network.
- **GSM 1900:** the phone operates in the GSM 1900 network. This option is only available in USA.

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

### Preferred networks (Menu 9.8.6)

Use this menu to add a new network to your preferred network list.

#### Adding a network

1. From the preferred network list, press **<Options>**.
2. Select **Insert** or **Add → Network list**.
3. Select the network you want.

#### Creating and adding a network

1. From the preferred network list, press **<Options>**.
2. Select **Insert** or **Add → New network**.
3. Enter the following properties:
  - **Country code:** enter the country code.
  - **Network code:** enter the network code provide by the network operator.
  - **Network name:** enter the name for the network.
4. Press [Centre] to add the network.

### Connections (Menu 9.8.7)

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

#### Creating or editing a connection profile

Press **<New>** and set up or change the following options:

- **Set name:** edit the name of the network setting.
- **Access name:** edit the access point name used for the address of the GPRS network gateway.
- **Authorisation type:** choose the type of authorisation used.
- **User ID:** edit the server login ID.
- **Password:** edit the server password.
- **Protocol:** select a protocol from **WAP**, **HTTP**, and **Other**.
- **Home URL:** enter your homepage address.
- **Proxy address/Port:** (for the HTTP protocol) set the proxy server address and port.
- **Gateway address:** (for the WAP protocol) set the gateway address.
- **Secure connection:** (for the WAP protocol) turn the secure mode on or off.
- **Log-in timeout (sec.):** set a time period after which the network is disconnected if there has been no new data traffic in that time.

- **Advanced settings:** provide you with the following options:

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

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

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

**Server 1/2:** enter the DNS addresses.

**Traffic class:** select the traffic class, if you selected the GPRS (PS) network.

## Managing connection profiles

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

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

☒ You cannot edit or delete the default connection profiles.

## Browser profiles (Menu 9.8.8)

Use this menu to select a connection profile for accessing the web browser. You can also make or edit a profile. ► p. 76

## Streaming settings (Menu 9.8.9)

Use this menu to select a connection profile for accessing streaming servers to use VOD (Video on Demand) services. You can also make or edit a profile. ► p. 76

## Security (Menu 9.9)

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

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

## Phone lock (Menu 9.9.1)

The Phone lock feature locks the phone from unauthorised use.

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

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



### **SIM lock** (Menu 9.9.2)

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

### **PIN lock** (Menu 9.9.3)

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

### **Fixed dialling mode** (Menu 9.9.4)

If supported by your USIM/SIM card, Fixed Dialling Number (FDN) mode restricts your outgoing calls to a limited set of phone numbers. When this feature is enabled, you can make calls only to phone numbers specified in the USIM/SIM card.

### **Change phone password** (Menu 9.9.5)

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

### **Privacy lock** (Menu 9.9.6)

Use this menu to lock your messages, media content, contacts, call logs, and calendar items.

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

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

### **Change PIN code** (Menu 9.9.7)

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

### **Change PIN2 code** (Menu 9.9.8)

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

## **Memory settings** (Menu 9.0)

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Use this menu to clear memories or to reset the phone. You can also set the default memory location and view the memory status.

### **Phone memory** (Menu 9.0.1)

Use this menu to delete data in the phone's memory or reset your phone.

### **Deleting data**

You can delete messages, media content, contacts, calendar items, and DRM activation keys. You can also delete all data at one time.

1. Select **Clear memory**.
2. Press [Centre] to select the data you want to delete.
3. Press <**OK**>.

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

☒ The password is preset to **00000000**. You can change this password. ▶ p. 77

5. Press **<Yes>** to confirm the deleting.

## Resetting the phone

You can reset the phone to its default settings.

1. Select **Master reset**.
2. Enter the password and press **<Confirm>**.

☒ The password is preset to **00000000**. You can change this password. ▶ p. 77

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

## Memory status (Menu 9.0.2)

Use this menu to check the amount of memory being used for storing data, such as SMS, MMS, e-mails, push messages, media content, contacts, and calendar items. You can also view the amount of shared memory.

## 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.

"Enter PIN"

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

"Enter PUK"

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


**"No service," "Network failure," or "Not done" displays**

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

**You have entered a number but it was not dialled**

- Be sure that you have pressed [ \ ].
- Be sure that you have accessed the right cellular network.

**Your correspondent cannot reach you**

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




**Your correspondent cannot hear you speaking**

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

**The phone starts beeping and "Battery low" flashes on the display**

- Your battery is insufficiently charged. Recharge the battery.

**The audio quality of the call is poor**

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

**No number is dialled when you re-call a Contacts entry**

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

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

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

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

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

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

## *Health and safety information*

### **Exposure to Radio Frequency (RF) Signals**

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Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg\*.

SAR tests are conducted using standard operating positions specified 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 of the phone. 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 limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

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\* In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID printed in the label on the phone.

FCC certification information for this model phone is attached separation paper.

## **For Body Operation**

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For body worn operation, this model phone has been tested and meets the FCC RF exposure guidelines when used with a Samsung-supplied or approved accessory designated for this product or when used with and accessory that contains no metal and that positions the handset a minimum from the body.

The minimum distance for this model phone is written in the FCC certification information from the body. None compliance with the above conditions may violate FCC RF exposure guidelines.

For more Information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)  
<http://www.fcc.gov/rfsafety>

Cellular Telecommunications Industry Association (CTIA):  
<http://www.wow-com.com>

U.S.Food and Drug Administration (FDA)  
<http://www.fda.gov/cdrh/consumer>

World Health Organization (WHO)  
<http://www.who.int/peh-emf/en>

## **Precautions When Using Batteries**

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- 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 °yC (32 °yF).

- Do not short-circuit the battery. Accidental shortcircuiting 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. Always recycle. Do not dispose of batteries in a fire.

## Road Safety

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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 extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your phonebook takes your 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 the people with whom you are talking aware that 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 the 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 a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

10. Call roadside assistance or a special nonemergency 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 any other special nonemergency wireless number.

## **Operating Environment**

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Remember to follow 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.

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

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

## **Electronic Devices**

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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 off your phone immediately.

### Hearing Aids

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

**Other Medical Devices** If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone in health care facilities when 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 off your phone in any facility where posted notices require you to do so.

### Potentially Explosive Atmospheres

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

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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, proceed as follows.

1. If the phone is not on, switch it on.

2. Key in the emergency number for your present location (for example, 112 or any other official emergency number). Emergency numbers vary by location.

3. Press the  key.

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 end the call until given permission to do so.

## Other important safety information

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

## **Care and maintenance**

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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.
- Use only the supplied or an approved replacement antenna. Unauthorised antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

## Acknowledging Special Precautions and the FCC and Industry Canada Notice

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### Cautions

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC Compliance Information

This device complies with Part 15 of 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.

### Information to User

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.

## **Appendix A: CERTIFICATION INFORMATION (SAR)**

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THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency(RF) energy set by the Federal Communications Commission of the U.S.

Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on safety standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate(SAR). The SAR limit set by the FCC is 1.6 W/kg. 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 limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR values for this model phone as reported to the FCC are Head: 0.511 W/Kg, Body-worn: 0.405 W/Kg. Body-worn operations are restricted to Samsung-supplied, approved or none 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. None compliance to the above restrictions may violate FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID A3LSGHZV10.

## Appendix B: Guide to Safe and Responsible Wireless Phone Use

Cellular Telecommunications & Internet Association

"Safety is the most important call you will ever make."

### A Guide to Safe and Responsible Wireless Phone Use

TENS OF MILLIONS OF PEOPLE IN THE U.S. TODAY TAKE ADVANTAGE OF THE UNIQUE COMBINATION OF CONVENIENCE, SAFETY AND VALUE DELIVERED BY THE WIRELESS TELEPHONE. QUITE SIMPLY, THE WIRELESS PHONE GIVES PEOPLE THE POWERFUL ABILITY TO COMMUNICATE BY VOICE-ALMOST ANYWHERE, ANYTIME-WITH THE BOSS, WITH A CLIENT, WITH THE KIDS, WITH EMERGENCY PERSONNEL OR EVEN WITH THE POLICE. EACH YEAR, AMERICANS MAKE BILLIONS OF CALLS FROM THEIR WIRELESS PHONES, AND THE NUMBERS ARE RAPIDLY GROWING.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common

sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

### **Wireless Phone "Safety Tips"**

Below are safety tips to follow while driving and using a wireless phone which should be easy to remember:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. 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 and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list

while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-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. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. 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 wireless non emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. 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 wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

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

Cellular Telecommunications & Internet Association  
For more information, please call 1-888-901-SAFE.  
For updates: <http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85>

## **Appendix C: Consumer Update on Wireless Phones**

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### **U.S. Food and Drug Administration**

1. 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.

### **2. 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.

### 3. 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.

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

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

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

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

5. 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.

#### 6. 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.

#### 7. 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.

#### 8. 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.

9. 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 hearing aids for interference from handheld 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.

10. 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 the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones,

so we don't know with certainty what the results of such studies mean for human health.

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

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time

tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

12. Which other federal agencies have responsibilities related to potential RF health effects?

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-slc.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>\*

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\* Updated 4/3/2002: US Food and Drug Administration  
<http://www.fda.gov/cellphones>

# Index

## A

- ABC mode, text input • 23
- Active folder • 68
- Alarms • 57
- Answering
  - call • 24, 27
  - second call • 25
- Anykey answer • 68
- Applications, downloaded • 54
- Auto redial • 70
- Auto reject • 70

## B

- Backlight time, set • 69
- Barring, calls • 70, 71
- Battery
  - charging • 7
  - low indicator • 8
  - precautions • 82
- Bluetooth
  - receiving, data • 75
  - sending, data • 74
  - settings • 73
- Broadcast messages • 42
- browser, web • 30

## C

- Calculator • 63
- Calendar • 58
- Call cost • 29
- Call records • 28
- Call time • 30
- Caller group, managing • 66
- Calls
  - answering • 24, 27
  - barring • 70
  - diverting • 70

- emergency • 87
- holding • 25
- redialling • 24
- rejecting • 24
- waiting • 71
- Camera
  - photos • 34
  - videos • 37
- Care • 88
- CB (Cell broadcast) messages • 48
- Characters, enter • 22
- Conference call • 27
- Connection tone • 67
- Contacts
  - deleting • 65
  - editing • 65
  - options • 65
  - speed-dialling • 71
- Conversion • 63
- Creating calendar
  - anniversaries • 59
  - holidays • 59
  - memos • 60
  - scheduled events • 58
  - tasks • 59
- Creating messages
  - e-mail • 40
  - MMS • 40
  - SMS • 39

## D

- Deleting
  - call records • 29
  - contacts • 65
  - e-mails • 42
  - events • 60
  - MMS • 41
  - photos • 36, 50
  - SMS • 41

- video clips • 39, 51
- Delivery reports, message • 45, 46
- Display
  - language • 67
  - settings • 68
- Diverting, calls • 70, 71
- DRM (Digital Rights Management) • 49
- DTMF tones, send • 26

## E

- E-mails
  - creating/sending • 40
  - settings • 47
  - viewing • 42
- Emergency calls • 87

## F

- FDN (Fixed Dialling Number) mode • 78
- File viewer • 55
- Folder tone • 67
- Forwarding
  - e-mails • 42
  - MMS • 41
  - SMS • 41

## G

- Games • 30, 53
- Greeting message • 68

## H

- Health and safety • 81
- Holding, call • 25

## I

- Icons, description • 10
- Images, downloaded • 49
- Inbox, messages
  - e-mail • 42
  - MMS • 41



- SMS • 41
- Infrared, connect • 75
- International calls • 24
- Internet • 30
- K**
- Key tone volume • 66
- Keypad tones
  - sending • 26
  - settings • 67
- L**
- Language, select • 67
- Last number, redial • 24
- Locking
  - phone • 77
  - private items • 78
  - SIM card • 78
- Low battery indicator • 8
- M**
- Maintenance • 88
- Media player • 32
- Memory status
  - events • 63
  - messages • 48
  - phone • 78
- Messages
  - greeting • 68
  - MMS • 40
  - push • 42
  - SMS • 39
- Minute minder • 67
- Missed alarm events • 61
- MMS messages
  - creating/sending • 40
  - deleting • 41

- settings • 45
- viewing • 41
- Multi-party calls • 27
- Muting
  - key tones • 26
  - microphone • 26
- N**
- Names
  - entering • 22
  - searching • 65
- Network selection • 75
- O**
- Outbox, messages • 43
- Own number • 72
- P**
- Password
  - barring • 71
  - phone • 78
- Phone
  - display • 10
  - icons • 10
  - locking • 77
  - password • 78
  - resetting • 79
  - switching on/off • 8
  - unpacking • 6
- Photos
  - deleting • 36, 50
  - editing • 50
  - taking • 34
  - viewing • 49
- PIN, change • 78
- PIN2, change • 78
- Playing music • 32

- Postcard, send • 37
- Power on/off tone • 67
- Privacy • 78
- Problems, solve • 79

- R**
- Received messages
  - configuration • 41, 43
  - e-mail • 42
  - MMS • 41
  - push • 42
  - SMS • 41
- Recording
  - videos • 37
  - voice memos • 61
- Redialling
  - automatically • 70
  - manually • 24
- Resetting phone • 79
- Roaming • 75

- S**
- Safety
  - information • 81, 87
  - precaution • 1
- Screensavers • 54
- Sent messages • 43
- Silent mode • 13
- SIM card
  - inserting • 7
  - locking • 78
- SMS messages
  - creating/sending • 39
  - deleting • 41
  - settings • 46
  - viewing • 41
- Sound profiles • 66

- Sounds and ringtones • 51
- Speakerphone • 26
- Speed-dial • 71
- Switching on/off
  - microphone • 26
  - phone • 8

## T

- Templates
  - MMS • 44
  - text • 44
- Text input mode, change • 22
- Text, enter • 22
- Themes, select • 69
- Tone
  - connect • 67
  - folder • 67
  - keypad • 66
  - message • 67
  - minute minder • 67
  - power on • 67

## V

- Video calls
  - answering • 27
  - making • 27
  - setting • 71
- Video clips
  - deleting • 39
  - playing • 51
  - recording • 37
- Videos, downloaded • 51
- Voice memos
  - options • 61
  - recording • 61
  - setting • 62
- Voicemail server, setting • 48

## W

- Waiting call • 71
- Wallpaper • 68
- Web browser • 30
- World clock • 62