

- \* 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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*'Draft'*

**SGH-D300**  
**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 batteries and accessories, such as headsets and PC data cables. Use of any unauthorised accessories could damage you or your phone and may be dangerous.



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



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

## Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 74.

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



- **Bluetooth**

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

## *Special features of your phone*



- **Voice recognition**

Just say a command to dial a phone number or access a menu function.

- **Multimedia Message Service (MMS)**

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

- **E-mail**

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



- **Web browser**

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



- **Java**

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



- **Calendar and To do list**

Keep track of your daily and monthly schedule and tasks.

- **Keyboard**

Enter characters using an enhanced keyboard.



- **Voice recorder**

Record memos or sounds.



- **Alarm**

Use your phone as an alarm clock to wake you up in the morning or notify you to an event.



- **Calculator**

Perform basic calculations.

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## Overview of menu functions

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

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4 Voice Mail	▶ p.35	4 Currency	▶ p.48	1 Sounds	▶ p.58	4 Sound Settings	▶ p.65
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6 Call Time	▶ p.36	5 World Time	▶ p.48	3 Videos	▶ p.59	6 Voice Recognition	▶ p.68
7 Call Cost*	▶ p.36	6 SIM-AT*	▶ p.48	4 Other Files	▶ p.59	7 Security	▶ p.69
<b>2 Messaging</b>	▶ p.37	<b>4 Organiser</b>	▶ p.49	5 Delete All	▶ p.59	8 Connection Settings	▶ p.71
1 Create New	▶ p.37	1 Alarm	▶ p.49	6 Memory Status	▶ p.59	9 Reset Settings	▶ p.72
Message		2 Calendar	▶ p.50				
2 My Messages	▶ p.40	3 To Do List	▶ p.52	<b>8 Phone Book</b>	▶ p.60		
3 Templates	▶ p.43			1 Search	▶ p.60		
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		5 Clear Cache	▶ p.54	7 Own Number	▶ p.62		
				8 Memory Status	▶ p.62		
				9 SDN*	▶ p.62		

\* Shows only if supported by your SIM card.



## Unpack

Make sure you have each item



Phone



Travel Adapter



Battery



User's Guide

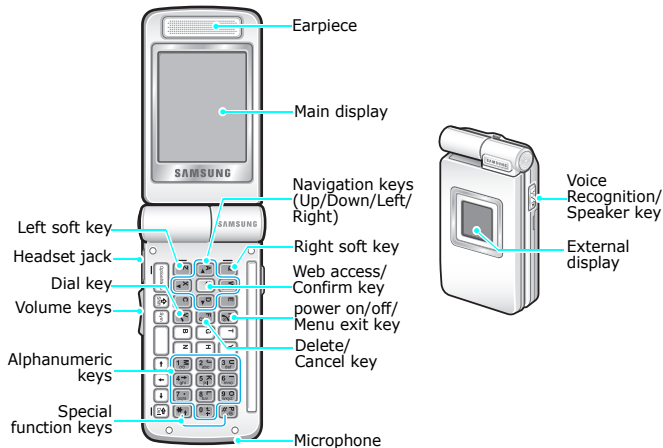
You can obtain various accessories from your local Samsung dealer.



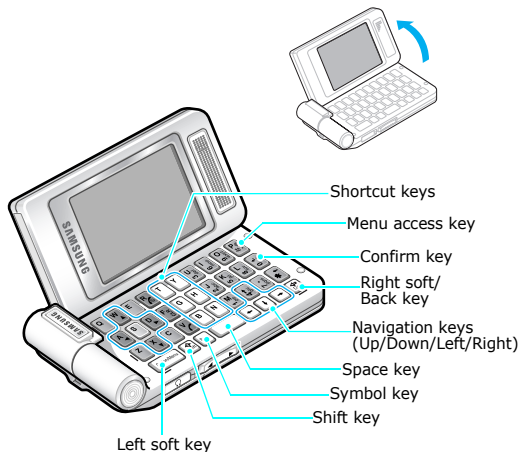
The items supplied with your phone and the accessories at your Samsung dealer may vary, depending on your country or service provider.

## Your phone

Keys, features, and locations



## Landscape view mode



You can use additional menus in Landscape mode. ► p. 29

## Get started

*First steps to operating your phone*


### SIM card information

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

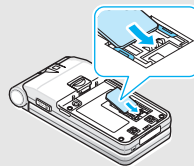
## Install and charge the phone

- 1 Remove the battery cover.



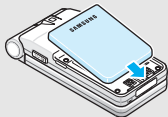
- ✓ If the phone is already on, first turn it off by pressing and holding .

- 2 Insert the SIM card.

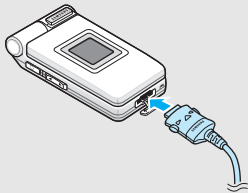


- ✓ Make sure that the gold-coloured contacts on the card are face down.

**3** Install the battery.



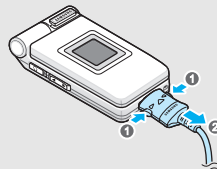
**4** Plug the travel adapter into the phone.



**5** Plug the adapter into a standard AC wall outlet.


**6** When the phone is completely charged (the battery icon becomes still), unplug the adapter from the power outlet.

**7** Remove the adapter from the phone.



### **Low battery indicator**

When the battery is low:


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

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

## Power on or off

### Switch on

1. Open the phone.


2. Press and hold  to turn on the phone.

3. If necessary, enter the PIN and press **<OK>**.

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

### Switch off

1. Open the phone.

2. Press and hold .

## Keys

### In Portrait mode



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



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

In Menu mode, scroll through menu options.

In Idle mode, launch the web browser.

In Menu mode, select the highlighted menu option or confirm input.



Delete characters from the display.

In Menu mode, return to the previous menu level.



Make or answer a call.

In Idle mode, retrieve the recent numbers dialled, missed, or received.





End a call.

Press and hold to switch the phone on or 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  to access your voicemail server. Press and hold  to enter an international call prefix.



Enter special characters.



In Idle mode, press and hold  to activate or deactivate Quiet mode. Press and hold  to enter a pause between numbers.



Adjust the phone volume.

In Idle mode, with the phone open, adjust the keytone volume.



In Idle mode, activate the Voice Recognition feature.

During a call, activate the speakerphone feature.

## In Landscape mode



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



In Menu mode, scroll through menu options.



In Menu mode, scroll through menu options.  
In text input mode, move the cursor.



Access main Menu mode.



In the Menu mode screen, access the following menus:

- **T: Call Log**
- **Y: Bluetooth**
- **G: Phone Book**
- **H: Email**
- **B: Todo**
- **N: SMS**

You can change shortcut menus. ► p. 33



In Menu mode, select the highlighted menu option or confirm input.



In Idle mode, enter letters.



In the text input mode, enter a period.



Select the highlighted menu option or selected item.

In the text input mode, enter a carriage return code.



Delete the selected item in an application.  
In the text input mode, delete characters.



In the text input mode, change letter case.



In the text input mode, enter special characters. Press and hold to display the symbol screen.



In the text input mode, insert spaces.  
During a call, switch the phone's microphone on or off.

## Display

### Layout



#### Icons

display various icons.

#### Text and graphics














display messages, instructions, and information you enter.









#### Soft key function indicators

show the current functions assigned to the soft keys.



## Icons\*

	Received signal strength
	GPRS network
	Roaming network
	Call diverting feature active ► p. 66
	Home Zone, if registered for the appropriate service
	Office Zone, if registered for the appropriate service
	Connected to the Internet
	Quiet mode
	Mute mode, during a call
	Call in progress
	Out of your service area; you cannot make or receive a call
	Speakerphone feature active
	Bluetooth feature active ► p. 55

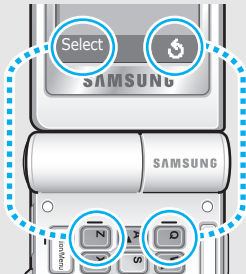
	Connected to Bluetooth hands-free car kit or headset
	Alarm set ► p. 49
	New text message
	New multimedia message
	New e-mail
	New voicemail
	New SMS + MMS message
	Battery power level

\* Depending on your country or service provider, the icons shown on the display may vary.

## 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 select the highlighted option.

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

### Select an option

1. Press a desired soft key.
2. Press the Navigation keys to move to the next or previous option.
3. Press **<Select>**, **<OK>**, or  to confirm the function displayed or option highlighted.
4. To exit, choose either of the following methods.
  - Press  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** → **Language**.
2. Select a language.

### Call ringer melody

1. In Idle mode, press **<Menu>** and select **Settings** → **Sound Settings** → **Ring Tone**.
2. Select **Default Ringtones**.
3. Select a ringtone.

### Idle mode wallpaper

You can set wallpaper for the idle screen.

1. In Idle mode, press **<Menu>** and select **Settings** → **Display Settings** → **Wallpaper**.
2. Select an image category.
3. Select the image name you want.

4. Scroll through images until you see the one you want.
5. Press **<Select>**.

### Menu shortcuts

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

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

### Quiet mode

You can switch the phone to Quiet mode 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 Password**.
2. Enter the default password, **00000000**, and press **<OK>**.
3. Enter a new 4- to 8-digit password and press **<OK>**.
4. Enter the new password again and press **<OK>**.
5. Select **Phone Lock**.
6. Select **Enable**.
7. Enter the password and press **<OK>**.

## Make/Answer calls

### Make a call

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

### Answer a call

1. When the phone is ringing, press .
2. To end the call, press .

### Adjust the volume during a call

Press /.


## Step outside the phone

Begin with your web, messages, and other special features





### Browse the web

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

#### Launch the web browser

In Idle mode, press .

#### Navigate the web

- To scroll through browser items, press  or .
- To select an item, press .
- To return to the previous page, press , or press **<Options>** and select **Back**.
- To access browser options, press **<Menu>**.

## Use Phone Book

### Add an entry



To the phone's memory:

1. In Idle mode, enter a phone number and press **<Save>**.
2. Select a number type.
3. Select **Phone Memory**.
4. Enter a name and press **<OK>**.


To the SIM card:

1. In Idle mode, enter a phone number and press **<Save>**.
2. Select a number type.
3. Select **SIM Memory**.
4. Enter a name and press **<OK>**.


**Find an entry**

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

**Send messages****Send a text message (SMS)**

1. In Idle mode, press **<Menu>** and select **Messaging** → **Create New Message** → **Text Message**.
2. Enter the message text and press .
3. Enter a destination number and press **<OK>**.
4. Press **<Options>** and select **Send Message**.

**Send a multimedia message (MMS)**

1. In Idle mode, press **<Menu>** and select **Messaging** → **Create New Message** → **Multimedia Message**.
2. Press **<Options>** and select **Add subject**.
3. Enter the message subject and press **<OK>**.
4. Press **<Options>** and select **Add Text**.
5. Enter the message text and press .
6. Press **<Options>** and select **Add Image, Add Video, or Add Sound**.
7. Add an image, video clip, or sound clip.
8. When you have finished, press **<Options>** and select **Send**.

9. Select a destination type.
10. Select **Phone Number, Email Address, or Phone Book**.
11. Enter destination numbers or e-mail addresses and press **<OK>**.
12. Select **Send message** to send the message.

#### Send an e-mail

1. With the phone closed, open the display from left to right.
2. Select **Email**.
3. Press **<New Email>**.
4. Enter an e-mail subject and press **<Next>**.
5. Enter the e-mail text.
6. Press **<Options>** and select **Send**.

7. Select a destination type.
8. Select **Manual Entry, Phone Book, or History**.
9. Enter a destination e-mail address, or select an address from Phone Book or recent message list and press **<OK>**.
10. Press **<Send>** to send the e-mail.

## View messages

#### View a text message

When a notification appears:

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

From the Inbox:


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

### View a multimedia message

When a notification appears:

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

From the Inbox:

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

### View an e-mail

1. With the phone closed, open the display from left to right.
2. Select **Email**.

3. Select an e-mail or a header from the message list.
4. If you selected a header, press <**Options**> and select **Retrieve** to view the body of the e-mail.

## Use Bluetooth

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

### Turn on Bluetooth

1. In Idle mode, press <**Menu**> and select **Bluetooth** → **Activation** → **On**.
2. Select **My Phone's Visibility** → **On** to allow other devices to find your phone.

### Search for and pair with a Bluetooth device

1. In Idle mode, press **<Menu>** and select **Bluetooth** → **My Devices** → **Search New Device**.
2. Select a device.
3. Enter a Bluetooth PIN or the other device's Bluetooth PIN, if it has one, and press **<OK>**.  
When the owner of the other device enters the same code, pairing is complete.

### Send data

1. Access **File Manager**.
2. Select an item.
3. Press **<Options>** and select **Send 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 that you are willing to receive.


## Use voice recognition

Your phone can recognise specific voice commands to dial numbers or access features.

### Voice dialling

1. In Idle mode, press .
2. Say "Call."
3. Say a name or number.
4. If the name you hear is not what you want, say "No."
5. Say "Yes" when you hear what you want.
6. Say the number type, if the name has more than one number.

### Access features

1. In Idle mode, press .
2. Say one of the following commands.
  - **Lookup:** say the contact name you want to find.
  - **Go To:** say the application you want to access.



## Enter text

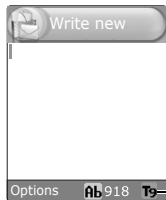
*ABC, T9, Number, and Symbol modes*

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

### Changing the text input mode

The text input mode indicator displays when the cursor is in a text field.

**Example:** Writing a text message



Press the right soft key to change the input mode.










- **T9**: T9 mode
- **A**: ABC mode
- **1**: Number mode
- None: Symbol mode

### Using ABC mode

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


Keys	Characters in order displayed	
	Upper case	Lower case
1	. , - ? ! @ : ( ) / 1 _	
2	A B C 2 Ä Å Æ Ç Γ	a b c 2 à ä å æ Γ
3	D E F 3 É Δ Φ	d e f 3 è é Φ
4	G H I 4 Θ Ψ	g h i 4 ì Ψ
5	J K L 5 Λ	j k l 5 Λ
6	M N O 6 Ñ Ø Ö ö	m n o 6 ñ ø ò ö
7	P Q R S 7 Π Σ Ξ	p q r s 7 β Σ Ξ
8	T U V 8 Ü ü	t u v 8 ù ü
9	W X Y Z 9 Ω	w x y z 9 Ω
0	Space + = < > € £ \$ % & ¥ ¤ 0	

## Other ABC mode operations



- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or press . Then, enter the next letter.
- Press  to insert a space.
- Press  to shift case. Capital lock () , Lower case () , and Initial capital () are available.
- Press the Navigation keys to move the cursor.
- Press  to delete characters one by one. Press and hold  to clear the display.
- Depending on your country, you may be able to access an input mode for your specific language by holding .






## Using T9 mode

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





 T9 is not available in Landscape mode.

### Entering a word in T9 mode

1. Press  or  to start entering a word. Press each key once for each letter.

For example, press , , , , and  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  to display alternative word choices for the keys that you have pressed.  
For example, *OF* and *ME* use  and .
4. Press  to insert a space and enter the next word.

## Other T9 mode operations

- Press to enter periods or apostrophes automatically.
- Press to insert a space.
- Press to shift case. Initial capital (), Capital lock (), and Lower case () are available.
- Press or to move the cursor.
- Press to delete characters one by one. Press and hold to clear the 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 to display alternative words for your key presses. When there are no more alternative words, **Add** appears on the bottom line.
3. Press **<Add>**.
4. Enter the word you want using ABC mode and press **<OK>**.

## 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	or .
select a symbol	the corresponding number key.
clear the entered symbols	.
insert the symbols	<b>&lt;OK&gt;</b> .



## Call functions

### Advanced calling features



#### Making a call

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



- ✓ • Press  to clear the last digit or press and hold  to clear the whole display. You can move the cursor to edit an incorrect digit.
- Press and hold  to enter a pause between numbers.

2. Press .
3. When you want to end the call, press .

#### Making an international call

1. In Idle mode, press and hold . 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 Phone Book

Once you have stored a number in Phone Book, you can dial the number by selecting it from Phone Book. ► p. 60

You can also use the speed dial feature to assign your most frequently called numbers to specific number keys. ► p. 61

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

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

### Voice dialling

You can dial a number stored in Phone Book by speaking the associated name into the microphone.



► p. 21

### Answering a call

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


Press <**Accept**> or  to answer the call.

#### Tips for answering a call

- When **Anykey Answer** is active, you can press any key, except for <**Reject**> and . ► p. 64
- When **Active Folder** is active, you can simply open the phone. ► p. 64
- Press <**Reject**> or  to reject a call.

### Viewing missed calls

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

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

### Using the headset

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

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



To	Press
redial the last call	and hold 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 a call on hold or retrieve the call.



### Making a second call

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

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


## Answering a second call

You can answer an incoming call while already on the phone, if your network supports this function and you have activated the call waiting feature. ► p. 67

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  to activate the speakerphone feature. Press the key again to switch back to the earpiece.

### Using In-call options

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

- **Menu:** access the phone's menu functions.
- **Mute/Unmute:** switch off the phone's microphone so that the other person on the phone cannot hear you, or switch it back on.
- **Mute Keys/Send Keys:** switch the key tones on or off.

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

- **Send DTMF:** send the DTMF (Dual tone multi-frequency) tones as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.

- **Phone Book:** access the contact list.
- **Join:** set up a multi-party call by adding a caller on hold to a currently active call. You can include up to 5 people on a multi-party call.
- **Select One:** select one of multi-party call participants. You can then use the following options:
  - Private:** have a private conversation with one multi-party call participant. The other participants can converse with each other. After the private conversation, select **Join** to return to the multi-party call.
  - Remove:** disconnect one multi-party call participant.
- **End Held Call:** disconnect the call currently on hold.

## **Menu functions**

*All menu options listed*

### **Menus in Landscape mode**














You can check call records, make memos and tasks, and organise your Phone Book. You can also use the E-mail services, Short Message Service (SMS), and Bluetooth feature, and customise Landscape mode as your preferences.

#### **Accessing menus in Landscape mode**

To access Landscape mode, open the display from left to right. When you access Landscape mode, menu list screen opens.

### **Navigating menus in Landscape mode**

You can scroll through Landscape mode menus, and confirm your selection or input by using the following methods:

To	Press
access the menu list	 .
scroll through menus	 ,  ,  , or  , or  ,  ,  ,  .
select a menu item	< <b>Select</b> > ,  , or  .
delete the selected item	 .
return to the previous menu level	< <b>Back</b> > or  .








## Email

You can send and receive e-mails using the Email feature.

### Creating an e-mail

1. Select **Email**.
2. Press **<New Email>**.
3. Enter the subject of the e-mail and press **<Next>**.

- ☒
  - Press  to change the letter case.
  - Press  to enter a special character. Press and hold  to display the symbol screen.
  - Press  to enter a period.
  - Press  to enter a space.

4. Enter the e-mail text.  
Press **<Options>** to access the following options:
  - **Add Entry:** add a template, Phone Book entry, or bookmark item.
  - **Save As:** save the e-mail in the **Draft** box.
5. When you have finished, press **<Options>** and select **Send**.

6. Select a destination type (To, Cc, Bcc).
7. Select one of **Manual Entry**, **Phone Book**, or **History**.
8. Enter an e-mail address or select an e-mail address from the Phone Book list or recent message list and press **<OK>**.
9. To send the e-mail to more destinations, repeat steps 6 and 8.
10. When you have finished, press **<Send>**.

### Viewing an e-mail

1. Select an e-mail or header from the message list.
2. Press [Left] or [Right] to view other pages in the e-mail.

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

- **Retrieve:** retrieve the body of the e-mail from the e-mail server.
- **Reply:** send a reply to the sender or all of the other recipients.
- **Forward:** forward the e-mail to other people.

- **Delete:** delete the e-mail.
- **Add to filtering list:** add the sender's e-mail address or subject to the Block list to reject e-mails from that address or containing that subject.
- **Copy entry:** extract URLs, e-mail addresses, or phone numbers from the e-mail.
- **Copy media:** save the attached files from the e-mail to your phone's memory.
- **Protection:** protect the e-mail from being deleted.
- **Details:** access the e-mail properties.

## SMS

---

Use this menu to access the list of the SMS messages and create a new message.

- To view a message, select a message from the message list. ► p. 40
- Press <**New SMS**> to create a new text message. ► p. 37

## Call Log

---

Use this menu to access the list of call logs.

► p. 35

## Phone Book

---

Use this menu to access Phone Book.

- To view an entry, select an entry from the Phone Book list. ► p. 60
- Press <**New PhoneBook**> to add new entries. ► p. 60

## Todo

---

Use this menu to access the list of tasks for the current date.

- To view a task, select a task from the task list. ► p. 52
- Press <**New Todo**> to add a new task. ► p. 52

## Calendar

---

Use this menu to access the list of appointments.

- To view a memo, select a memo from the appointment list. ► p. 51
- Press <**New Calendar**> to add a new appointment.  
► p. 50

## Bluetooth

---

Use this menu to use the Bluetooth feature. ► p. 55

## Services

---

Use this menu to customise settings for using the Blackberry services.

- **BlackBerry On:** refreshes the network connection to the BlackBerry server..
- **Reconcile:** synchronise e-mails in the phone's memory with the Blackberry server.
- **Purge Msg:** delete all of the e-mails on the Blackberry server.

- **Service Book:** display the available Blackberry services.

## Settings

---

Use this menu to access BlackBerry service information, or customise settings for using Landscape mode.

- **Blackberry:** access the settings for the Blackberry service.
  - Email:** set up the options for synchronising with the e-mail server.
    - **Delete on:** delete an e-mail in the phone's memory or on the server after retrieving it. If you select **Prompt**, the phone will ask you if you want to delete the e-mail.
    - **Wireless reconciliation:** set whether or not the phone automatically connects to the email server at regular intervals to check for new emails.
    - **On conflicts:** set the priority of synchronisation when your e-mail data in the phone and on the server is not reconciled.

**Host routing table:** register your device to a BlackBerry infrastructure so that the device is properly connected to a cellular network. Please contact your service provider for further details on the Host routing table (HRT).

**Review GPRS Setup:** check GPRS information, such as MMC, MNC, IMEI, IMSI, ICC, your phone's Blackberry PIN number, model name, device type, and system and stack versions.

**IT Policy:** access available Blackberry service information.

**Other Setup:** access other setup features.

**Default Setup:** reset the e-mail settings to the default setup or the last working setup.

- **Landscape:** customise the settings for using Landscape mode:

**Menu Style:** select the number of lines to be used when displaying menus on your phone.

**Short Cut:** display the functions assigned to the keypad. You can change the shortcut menus.

**Landscape Keypad Tone:** select a keypad tone.

## Using Landscape mode menu options

When you access a menu, you can access the following options by pressing **<Options>**:

- **Mail:** manage the e-mails you have received.
- **SMS:** delete the selected SMS message or all messages, or access an SMS message stored in another message box.
- **Call log:** dial or edit the selected number. You can also delete the selected call log or all logs.
- **Phone Book:** dial or edit the selected entry. You can also delete the selected number or all call numbers.
- **Todo:** edit the selected calendar item or delete the selected item or all items.
- **Calendar:** view the selected item or lock or unlock the item. You can also delete the selected item or all items.
- **New:** create a new e-mail, text message, multimedia message, Phone Book entry, task, calendar item, or template.



- **List:** access the list of e-mails, SMS messages, call records, Phone Book entries, tasks, or calendar items.
- **Search Mail:** search for mails stored in your phone.
- **GAL:** search for specific addresses on the Blackberry server by entering an e-mail address and save them in Phone Book.
- **Bluetooth:** access the **Bluetooth** menu. ► p. 55
- **Services:** access the **Services** menu. ► p. 32
- **Settings:** access the **Settings** menu. ► p. 32
- **About:** access the software, hardware, and Blackberry version specifications for your phone.

## Using shortcut menus

---

You can quickly access some menus by pressing the shortcut keys in Landscape mode.

You can access the following menus:

-  : **Call Log**
-  : **Bluetooth**
-  : **Address**
-  : **Email**
-  : **Calendar**
-  : **SMS**

You can change the shortcut menus. ► p. 33

## Call Records *(Menu 1)*




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

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

### Missed Calls *(Menu 1.1)*

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

#### Accessing a call record

1. Press  or  to scroll through the call list.
2. Press **<Select>** to view the details of a call, or  to dial the number.

#### Using call record options

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

- **Edit:** edit the number.
- **Delete:** delete the selected call record.

## Received Calls *(Menu 1.2)*

This menu displays the most recent calls you have received.

### Dialled Calls *(Menu 1.3)*

This menu displays the most recent calls you have dialled.

### Voice Mail *(Menu 1.4)*

Use this menu to store the number of the voicemail server and access your voicemails.


- ☒ You must store the voicemail server number before accessing the server. Your service provider can give you the number.

- **Connect to Voice Mail:** connect to the voicemail server to listen to your messages.
- **Voice Mail Number:** enter the voicemail server number.

## **Delete All** (Menu 1.5)

---

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

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

## **Call Time** (Menu 1.6)

---

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

- **Last Call:** check the length of your last call.
- **Total Dialed:** check the total length of all the calls you have dialed.
- **Total Received:** check the total length of all the calls you have received.
- **Reset Timers:** reset the call timers. You need to enter the phone password.

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

## **Call Cost** (Menu 1.7)

---

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

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

## Messaging (Menu 2)

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

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

### Create New Message (Menu 2.1)

Use this menu to create and send messages.

#### Creating and sending a text message

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

1. From the Create New Message screen, select **Text Message**.

2. Enter your message and press .



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

3. Enter a destination number and press <**OK**>. To send the message to more than one recipient, repeat this step.
4. When you have finished, press <**Options**> and select **Send Message** to send the message.

#### Using options while composing an SMS message

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

- **Send to Number:** enter destination phone numbers.



- **Send to Email:** enter destination e-mail addresses to send the message via e-mail.  
▶ p. 39
- **Insert:** add a template, Phone Book entry, or bookmark item.
- **Add Media:** attach an animated image, melody, or downloaded item.
- **Attach:** attach name cards or calendar data as a data format attachment.
- **Save Message to:** save the message in another message box.
- **Language select:** change the language to be used in T9 mode.
- **Text Style:** change the text attributes.


### Creating and sending a multimedia message

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

1. From the Create New Message screen, select **Multimedia Message**.



2. Press **<Options>** and select **Add subject**.

☒ You can use various message composing options by pressing **<Options>** in each field. ▶ next section

3. Enter the message subject and press **<OK>**.
4. Press **<Options>** and select **Add Text**.
5. Enter the message text and press .
6. Press **<Options>** and select **Add Image, Add Video, or Add Sound**.
7. Add an image, video clip, or sound clip.
8. When you have finished, press **<Options>** and select **Send**.
9. Select a destination type (To, Cc, Bcc).
10. Select **Phone Number, Email Address, or Phone Book**.
11. Enter a destination number or an e-mail address and press **<OK>**.
12. When you have finished, select **Send message**.

## Using options while composing an MMS message


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

- **Add Text:** add the message text.
- **Add Image:** add an image to the message.
- **Add Video:** add a video clip to the message.
- **Add Sound:** add a sound clip to the message.
- **Add Subject:** add the message subject.
- **Add Page:** add pages. Move to each page by pressing  or .
- **Edit Text:** edit the message text.
- **Edit Picture/Edit Video/Edit Sound:** replace an added item.
- **Delete:** delete the selected item.
- **Duration:** set how long one page displays. After the specified time, the display automatically scrolls to the next page.
- **Send:** send the message.

- **Save to:** save the message to another message box.
- **Settings:** change the message settings.  
▶ p. 44
- **Add Destination:** enter destination numbers or addresses.
- **Preview:** view the message as it will be shown on the recipient's phone.

## Creating and sending an e-mail

You can send and receive e-mails that include text, audio, and images.

1. From the Create New Message screen, select **Text Message**.
2. Create an e-mail as you would create a text message.
3. When you have finished, press <**Options**> and select **Send to Email**.
4. Enter a destination e-mail address and press  to send the e-mail.

### My Messages (Menu 2.2)







Use this menu to access messages you have received, sent, or failed to send.


#### Inbox (Menu 2.2.1)

This folder stores all of the messages you have received, except for e-mails.

#### Viewing a message

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

-  **SMS**
-  **MMS**
-  **MMS notification** (↘: Being retrieved, ✕: Failed to retrieve)
-  **Voicemail**
-  **Push message**
-  **Cell broadcast message**

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

### Using message options

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

#### SMS messages

- **Reply:** send a reply to the sender.
- **Forward:** forward the message to other people.
- **Delete:** delete the message.
- **Callback:** call the sender.
- **Move to Myfolder:** move the message to another message box.
- **Move to Phone/SIM:** move the message between the SIM card and the phone's memory.
- **Cut Address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Cut Media/Attach:** save media content from the message into your phone's memory.
- **Protection:** protect the message from being deleted.

## MMS messages

- **Retrieve:** retrieve the MMS message from the MMS server.
- **Reply:** send a reply to the sender.
- **Reply all:** send a reply to the sender or all recipients.
- **Forward:** forward the message to other people.
- **Delete:** delete the message.
- **Callback:** call the sender.
- **Move to Myfolder:** move the message to another message box.
- **Cut Address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Cut Media/Attach:** save media content from the message into your phone's memory.
- **Properties:** access the message properties.

## Sent (Menu 2.2.2)

This folder stores messages that you have sent.



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

- **Delete:** delete the message.
- **Send:** send the message to other people.
- **Edit Message:** edit the message.
- **Move to Myfolder:** move the message to another message box.
- **Cut Address:** extract URLs, e-mail addresses, or phone numbers from the message.
- **Call:** dial the number.
- **Protection:** protect the message from being deleted.

### Outbox (Menu 2.2.3)

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

The following icons are available to show the message status:

-  Being sent
-  Failed to send

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

- **Delete**: delete the message.
- **Send**: retry to send the message.
- **Move to Myfolder**: move the message to another message box.
- **Cut Address**: extract URLs, e-mail addresses, or phone numbers from the message.
- **Callback**: dial the number.
- **Protection**: protect the message from being deleted.

### Draft (Menu 2.2.4)

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

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

- **Delete**: delete the message.
- **Send**: send the message to other people.
- **Edit Message/Edit Email**: edit the message.
- **Move to Myfolder/Save to**: move the message to another message box.
- **Cut Address/Extract Address/Save Address**: extract URLs, e-mail addresses, or phone numbers from the message.
- **Protection**: protect the message from being deleted.
- **Properties**: access the message properties.

## My Folders *(Menu 2.2.5)*

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

### Creating a folder

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

### Using folder options

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

- **Select:** open the selected folder.
- **Create Folder:** add a new folder.
- **Delete Folder:** delete the selected folder.
- **Rename Folder:** change the folder name.
- **Delete All:** delete all folders.

## Templates *(Menu 2.3)*

---

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

## Creating a template

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

### Using template options



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

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

## Delete All *(Menu 2.4)*

---

Use this menu to delete messages in each message folder.

1. Press  to select the message folders to be cleared.
2. Press **<Delete>**.
3. Press  to select the check box to delete protected messages.
4. Press **<Yes>** to confirm the deletion.

### Settings (Menu 2.5)

---

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

#### Text Message (Menu 2.5.1)

You can configure default SMS settings.

- **Sending Profile:** set the properties of each profile. Press <**Options**> and select **Edit** to access the following options:

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

**Default Destination:** enter the default destination. It will be displayed on the first field on the Recipients field.

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

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

**Setting Name:** enter a profile name.

- **Reply Path:** allow recipients to reply to you through your SMS server.
- **Delivery report:** set the network to inform you when messages have been delivered.
- **Bearer selection:** select either **GSM** or **GPRS**, depending on your network.
- **Preferred memory:** select the memory location where messages will be saved after sending them.

#### Multimedia Message (Menu 2.5.2)

You can configure default MMS settings.

- **Delivery Report:** set the network to inform you when a message has been delivered.
- **Read Reply:** send a read-reply request along with your messages.
- **Auto Download:** set the phone to automatically retrieve messages from the server.
- **Message Acceptance:** select the category of messages you want to retrieve.
- **Expiry Date:** set the length of time messages are stored in the MMS server.

- **Delivery Time:** set a time delay before messages are sent.
- **Priority:** set the priority level of messages.
- **Report Allowed:** set the network to inform the sender when a message has been delivered.
- **Page Duration:** set how long one page in your outgoing messages displays. After a specified time, the display automatically scrolls to the next page.
- **Profile:** select a connection profile to be used for MMS.

### **Push Message** (Menu 2.5.3)

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

- **Receive:** set how your phone receives push messages.
- **White list:** select the wireless web server from which you receive push messages.

### **Broadcast** (Menu 2.5.4)

You can change the settings for receiving CB messages.

- **Receive:** select the reception of CB messages.
- **Channel List:** indicate the channels from which you wish to receive CB messages. You can also add, edit, or delete channels. Please contact your service provider for further details.
- **Language:** select the preferred languages in which CB messages display.

### **Default Text Input Mode** (Menu 2.5.5)

Use this menu to select the default text input mode to be used when you create a message.

### **Memory Status** (Menu 2.6)

---

Use this menu to view the number of the messages or the amount of memory currently in use for each message type in each folder. You can access other message types by pressing **<Next>**.



### Games & Apps (Menu 3)

Use this menu to play Java games, to record voice memos, or to use convenient features, such as calculator, converter, and world time.

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

#### Games (Menu 3.1)

---

Use this menu to access the embedded Java games and downloaded Java applications.

##### Launching a game

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

##### Using Java application options

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




- **Launch:** launch the selected application.
- **Delete:** delete the selected application or all applications, except for the embedded games.

- **Properties:** access the application properties.
- **Upgrade:** upgrade the application to the latest version, except for embedded games.
- **Send Information:** send the URL containing the application via SMS.
- **Memory status:** display the amount of total and used memory for Java games.

#### Calculator (Menu 3.2)

---

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

1. Enter the first number.
  - Press **<.(>** to insert a decimal point or bracket.
  - Press  or  to move the cursor.
2. Press one of the Navigation keys to access the math function you want.
3. Enter the second number.
4. Press  to view the result.

5. If necessary, repeat from step 2 to continue the calculation.

## **Voice Memo** (Menu 3.3)

---

Use this menu to record and play voice memos.

### **Record Voice** (Menu 3.3.1)

1. Press <**Record**> to start recording.
2. Speak into the microphone.
3. When you press <**Stop**>, or if the recording time expires, the following options display:
  - **Replay**: play back your memo.
  - **Re-record**: discard the memo and record another one.
  - **Save**: save the memo.
  - **Quit**: cancel your recording and exit the **Record** menu.
4. Select **Save** to save the voice memo.
5. Enter a name for the voice memo and press <**OK**>.

### **Voice List** (Menu 3.3.2)

Use this menu to access the list of voice memos you have recorded.

#### **Playing a memo**

1. Scroll to a memo.
2. Press <**Options**> and select **Play**. The selected memo plays.

#### **Using memo options**

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

- **Play**: play the selected file.
- **Send**: send the file via MMS.
- **Rename**: change the file name.
- **Properties**: access the file properties.
- **Delete**: delete the file.

### **Delete All** (Menu 3.3.3)

Use this menu to delete all of the voice memos you have recorded.

### **Memory Status** (Menu 3.3.4)

You can check the total amount of memory and the amount of memory currently in use for voice memos.

### **Currency Conversion** (Menu 3.4)

---

Use this menu to do currency conversions.



1. Enter the exchange rate of foreign currency and press **<OK>**.
2. Enter the amount of the foreign currency you want to convert and press **<OK>**.

The amount you entered and its equivalent value in the local currency display.

### **World Time** (Menu 3.5)

---

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

1. From the world map, press  or  to scroll to the city you want. As the time line moves, the time and date of the given zone display.
2. Press **<Set>** to save the city as your local time zone.

### **SIM-AT** (Menu 3.6)

---

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

## Organiser (Menu 4)

The **Organiser** menu enables you to keep track of your schedule and tasks. You can also set alarms or create a task list.


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

### Alarm (Menu 4.1)

---

Use this menu to set alarms to sound at a specific time.

#### Setting an alarm

1. Select the type of alarm.
2. Enter the time for the alarm.  
Press <**Options**> and select **Alarm Tone** to change the alarm tone.
3. Press  to save the alarm.
4. If you selected **Morning Call** in step 1, choose **Monday to Friday** or **Monday to Saturday**.

#### Stopping an alarm

When the alarm sounds, press any key.

#### Deactivating alarms

When you do not need an alarm to sound any longer, you can deactivate it.

- To remove an alarm set, access it, press <**Options**> and select **Remove Alarm**.
- To remove all alarm sets, select **Remove Alarm** from the **Alarm** menu.

#### Setting the alarm to sound when the phone is off

From the Alarm screen, select **Autopower** → **Enable**.

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







## **Calendar** (Menu 4.2)

---

Use this menu to write appointments on your schedule, or set alarms to act as a reminder.

### **Selecting a day on the calendar**

When you access the **Calendar** menu, the calendar in Month view appears with today's date highlighted.

- Press  or  to move by day.
- Press  or  to move by week.
- Press  or  to move by month.

### **Entering an appointment**



1. Select a date on the calendar.
2. Press **<Options>** and select **Create Appointment**.
3. Enter information or change the settings:
  - **Subject:** enter the title of the appointment.
  - **Details:** enter appointment details.
  - **All Day:** set the phone to beep everyday.
  - **Start Date** and **Start Time:** enter the starting date and time for the appointment.

- **End Date** and **End Time:** enter the ending date and time for the appointment.
  - **Location:** enter information about the appointment location.
  - **Alarm:** set the following alarm options:
    - Set Alarm:** activate the alarm for the appointment.
    - Before Time:** set how long before the appointment the alarm is to alert you.
    - Alarm Tone:** select an alarm tone.
  - **Time Zone:** set a local time zone.
  - **Recurrence:** select to set the appointment to recur and a repeat unit.
4. To add a To or Cc address to the appointment, press **<Options>** and select **Add Required** or **Add Optional**. Enter an e-mail address.
  5. When you have finished, press **<Options>** and select **Send**.

## Consulting the calendar

The colour of the date on the calendar changes to blue to indicate that an appointment exists for that date.

### Viewing an appointment

1. Select a date which has appointments from the calendar.
2. Press  or  to view other appointments scheduled for that day.

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

- **View:** open the selected appointment.
- **Create Appointment:** add a new appointment.
- **Lock On/Lock Off:** lock the appointment to protect it from being deleted, or unlock the appointment.
- **View Mode:** change the view mode of the calendar.
- **Delete:** delete the selected appointment or all appointments stored on that date.

## Using calendar options

On the calendar screen, press <**Options**> to access the following options:

- **View Mode:** change the view mode of the calendar.
- **Create Appointment:** enter a new appointment.
- **Go to:** select today's date or enter a specific date.
- **Delete:** delete the appointments stored on that day or the current month. You can also delete all appointments stored on the calendar.

### Viewing appointments in a different mode

You can change the calendar display to Day view or Week view. Press <**Options**> and select **View mode** → a view mode.

#### Day view

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

### Week view

You can view items for the selected week. A cell on the timetable indicates the presence of an appointment. Select a cell in the day you want.

### To Do List *(Menu 4.3)*




---

Use this menu to create tasks.


#### Creating a task

1. Press <**New**>.
2. Enter the task and press <**OK**>.
3. Select a priority level.
4. Enter your deadline and press <**OK**>.

#### Viewing the task list

When you select the **To Do List** menu, the tasks display with a check mark, if the task has been done, and a priority level indicator;  for High,  for Normal, and  for Low.



You can change the status of a specific task by pressing .

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


- **New**: add a new task.
- **Mark**: change the status of the task.
- **Edit**: edit the task.
- **Sort**: sort tasks by priority or status.
- **Copy**: copy the task.
- **Copy to Calendar**: copy the task to the calendar as an appointment.
- **Delete**: delete the task.
- **Delete All**: delete all tasks.
- **Exit**: exit the **To Do List** menu.

## Browser (Menu 5)





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

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

### Home (Menu 5.1)

Use this menu to connect your phone to the network and load the homepage of the wireless web service provider. You can also press  in Idle mode.

### Navigating the web browser

To	Press
scroll through browser items	 or  .
select a browser item	 .
return to the previous page	 , or < <b>Options</b> > and select <b>Back</b> .

## Using page options

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


- **Favorite:** bookmark the current page or access the bookmark list.
- **Reload:** reload the current page with updated information.
- **Home:** return to the homepage.
- **Go to URL:** access the linked web page.
- **Show URL:** display the URL address of the page to which you are currently connected.
- **Enter URL:** enter a URL address manually.
- **Go:** move backward or forward through pages in history.
- **Clear Cache:** change the cache mode, set disk cache use, or clear the cache. A cache is a temporary memory that stores recently accessed web pages.
- **Inbox:** access the messages received from the web server.



## *Menu functions*

- **Show Images:** show images stored on the current web page.
- **Text Message:** send messages using web server.
- **Certificates:** access certificate information.

### **Exiting the web browser**

Press  to end the network connection and exit the browser.

### **Favorites** *(Menu 5.2)*

---

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

### **Accessing a bookmarked page**

Select a bookmark item and choose **Goto URL**.

### **Using bookmark options**

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

- **Goto URL:** access the bookmarked web page.
- **Edit:** edit the URL address and title of the bookmark.
- **Delete:** delete the selected bookmark.

- **Send URL:** send the URL via SMS/e-mail message.

### **http://** *(Menu 5.3)*

---

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

### **Settings** *(Menu 5.4)*

---

Use this menu to select a connection profile to be used for accessing the wireless web.

### **Clear Cache** *(Menu 5.5)*

---

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

## Bluetooth (Menu 6)

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

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

- ☑ • If there are obstacles between the devices, the operating distance may be reduced.
- It is recommended that you do not use the Bluetooth feature while using multimedia features, such as voice recorder or vice versa, for better performance.
- Some devices may not be compatible with your phone.

## Setting up the Bluetooth feature

---

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

- **Activation:** activate or deactivate the Bluetooth feature.
- **My Devices:** search for connectable Bluetooth devices.
- **My Phone's Visibility:** allow other Bluetooth devices to locate your phone, or not.
- **My Phone's Name:** assign a Bluetooth device name to your phone, which is then displayed on other devices.
- **Secure Mode:** determine if the phone asks for your confirmation when other devices access your data.
- **Bluetooth Services:** display available Bluetooth services.

## Searching for and pairing with a Bluetooth device

1. From the Bluetooth setting options, select **My Devices**.
2. Select **Search New Device**.

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

-  Headset
-  Hands-free car kit
-  Computer
-  PDA
-  Mobile phone
-  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 and press **<OK>**. This code is used just once and you do not need to memorise it. When the owner of the other device enters the same code, pairing is complete.

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

## Using device options

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

- **Connect:** connect to a headset or hands-free car kit.
- **Disconnect:** end the connection with the connected device.
- **Browse Files:** search for data from the device and import data directly to your phone.
- **Service List:** access the Bluetooth service list of the device.
- **Rename:** rename the paired device.

- **Authorize Device/Unauthorize Device:** determine whether or not the phone asks you to permit connection when other devices try to connect to your phone.
- **Delete:** remove the selected device or all devices from the list.

### **Sending data via Bluetooth**

---

1. Activate the Bluetooth feature.
2. Select the application in which the item you want to send is stored.
3. Select the item you want and press <**Options**>.
4. Select **Send via Bluetooth**.  
The phone searches for devices within range and displays a list of available devices.
5. Select a device.
6. If necessary, enter the Bluetooth PIN needed for pairing and press <**OK**>.

### **Receiving data via Bluetooth**

---

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

1. If an unauthorised Bluetooth device sends data to your phone, press <**Yes**> to allow the device to access your phone.
2. Press <**Yes**> to receive data.

## **File Manager** (Menu 7)

The **File Manager** menu allows you to access images, video clips, and sound clips stored in the phone's memory.

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

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

## **Sounds** (Menu 7.1)

---

This menu displays sound clips you have downloaded, received in messages, or imported from your computer.

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

- **Rename**: change the file name.
- **Delete**: delete the selected file.

- **Send via MMS**: send the file via MMS.
- **Send via Bluetooth**: send the file via Bluetooth.
- **Set as Ring Tone**: set the sound clip as your ringtone.
- **Properties**: access the file properties.

## **Images** (Menu 7.2)

---

This menu displays images downloaded, received in messages, or imported from your computer.

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

- **Rename**: change the file name.
- **Delete**: delete the file.
- **Send via MMS**: send the file via MMS.
- **Send via Bluetooth**: send the file via Bluetooth.
- **Set as Wallpaper**: set the image as your wallpaper.
- **Properties**: access the file properties.

## Video (Menu 7.3)

---

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

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

- **Rename:** change the file name.
- **Delete:** delete the file.
- **Send via MMS:** send the file via MMS.
- **Send via Bluetooth:** send the file via Bluetooth.
- **Properties:** access the file properties.

## Other Files (Menu 7.4)

---

Files that you have received but which are not supported by your phone are stored in this folder. You cannot open these files on the phone. Unsupported file formats include DOC, XLS, PPT, PDF, and TXT.

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


- **Rename:** change the file name.

- **Delete:** delete the file.
- **Send via Bluetooth:** send the file via Bluetooth.
- **Properties:** access the file properties.

## Delete All (Menu 7.5)

---

Use this menu to delete media files in each media folder.

1. Press  to select the media folders to be cleared.
2. Press <**Delete**>.
3. Press <**Yes**> to confirm your deletion.

## Memory Status (Menu 7.6)

---

Use this menu to view memory information for media items in each folder. You can scroll through other media folders by pressing <**Next**>.

### Phone Book (Menu 8)

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


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

#### Search (Menu 8.1)

---

Use this menu to search for numbers in Phone Book.

##### Finding an entry

1. Enter the first few letters of the name that you want to find.
2. Select the name you want from the list.
3. Press  to dial the number.

##### Using Phone Book options

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

- **Edit:** edit entry information.
- **Send Message:** send a message to the number.





- **Paste:** paste the number into the normal dialling mode.
- **Delete:** delete the number from Phone Book.
- **Copy:** copy the number to the phone's memory or SIM card.
- **Caller Group:** assign a caller group.
- **Add Entry:** add a new entry.

#### New Entry (Menu 8.2)

---

Use this menu to add a new entry to Phone Book.

##### Storing an entry in the phone's memory

1. Select an entry type.
  -  : Mobile phone number
  -  : Office phone number
  -  : Home phone number
  -  : E-mail address; an e-mail address can be stored only in the phone's memory
2. Select **Phone Memory**.
3. Enter a name and press **<OK>**.
4. Enter a number or an e-mail address and press **<Save>**.


## Storing an entry on the SIM card

1. Select an entry type.
2. Select **SIM Memory**.
3. Enter a name and press <**OK**>.
4. Enter a number and press <**Save**>

## Group Search (Menu 8.3)

---

Use this menu to search for your entries in Phone Book in caller groups.

1. Enter the first few letters of the group name.
2. Select a group.
3. Select the name you want.
4. Press  to dial the number or <**Options**> to access Phone Book options.

## Group Edit (Menu 8.4)

---

Use this menu to edit your caller groups' properties.

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

- **Call Ring Tone:** set a ringtone for incoming calls from the group.
- **SMS Tone:** set a ringtone for incoming messages from the group.
- **Image:** set a graphic icon for incoming calls from the group.
- **Group Name:** assign a name to the group.

## Speed Dial (Menu 8.5)

---

Use this menu to assign speed dial numbers (2 to 9) to 8 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 voice mail server.
2. Select the name you want from the Phone Book list.



3. Select the number you want.

### Managing speed dial entries

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

- **Change**: assign a different number to a key.
- **Delete**: delete the speed dial setting for the key.
- **Delete All**: delete the speed dial settings for all keys.
- **Number**: check the number assigned to a key.


### Dialling speed dial numbers

In Idle mode, press and hold the appropriate key.

#### Delete All (Menu 8.6)

---

Use this menu to delete all of the entries from Phone Book.

1. Press  to check the locations to be cleared.
2. Press <**Delete**>.
3. Enter the phone password and press <**OK**>.
4. Press <**Yes**> to confirm the deletion.

#### Own Number (Menu 8.7)

---

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

#### Memory Status (Menu 8.8)


---

Use this menu to check the total number of entries you can store and the number of the entries you have stored in Phone Book.

#### SDN (Menu 8.9)

---

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

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

## Settings *(Menu 9)*

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

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

### Time & Date *(Menu 9.1)*

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

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- **Set Time:** enter the current time.
- **Set Date:** enter the current date.
- **Time Format:** select a time format.

## Phone Settings *(Menu 9.2)*

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

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

### Language *(Menu 9.2.1)*

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

### Greeting Message *(Menu 9.2.2)*

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


### Short Cut *(Menu 9.2.3)*

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

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

### Extra Settings (Menu 9.2.4)

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

- **Auto Redial:** set the phone to make up to ten attempts to redial a phone number after an unsuccessful call.
- **Active Folder:** answer an incoming call by opening the phone.
- **Anykey Answer:** answer an incoming call by pressing any key, except <Reject> and .

### Display Settings (Menu 9.3)

---

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

#### Wallpaper (Menu 9.3.1)

Use this menu to select an image to be displayed on the idle screen.

#### Front LCD Display (Menu 9.3.2)

Use this menu to change settings for the external display.

- **Clock:** select a clock type.
- **LCD Brightness:** adjust the brightness of the external display for varying lighting conditions.

#### Text Display (Menu 9.3.3)

Use this menu to set the phone to display the time and date on the idle screen.

#### Text Color (Menu 9.3.4)

Use this menu to select a font colour.

#### Dialing Font Color (Menu 9.3.5)

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

#### Menu Style (Menu 9.3.6)

You can select display style for the main menu screen.

#### Back Light (Menu 9.3.7)

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

- **On:** select the length of time the backlight stays on.

- **Dim:** select the length of time the display stays in Dim mode after the backlight turns off. After a specified time, the display turns off.

### Graphic Logo (Menu 9.3.8)

Use this menu to set the phone to display a graphic icon instead of the service provider's logo on the idle screen. This is only available if a graphic icon has been received in a message.

### Sound Settings (Menu 9.4)

Use this menu to customise various sound settings.


#### Ring Tone (Menu 9.4.1)

Use this menu to select a volume level and alert type for incoming calls.

- **Default Ringtones/Downloaded Ringtones:** select a ringtone for the call ringer.
- **Ring Volume:** select a ringer volume.
- **Alert Type:** specify how you are to be informed of incoming calls.

#### Keypad Tone (Menu 9.4.2)

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

- ☒ You can adjust the keypad tone volume using  in Idle mode.

#### Message Tone (Menu 9.4.3)

Use this menu to change the sound settings for incoming text messages or multimedia messages.

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

#### Power On/Off (Menu 9.4.4)

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

#### Folder Tone (Menu 9.4.5)

Use this menu to select the tone that the phone sounds when you open or close the phone.

### Alerts on Call (Menu 9.4.6)

Use this menu to set the phone to beep when you receive a new message or when the time for an alarm comes during a call.

### Quiet Mode (Menu 9.4.7)

Use this menu to set how the phone acts to alert you to a specific event in Quiet mode, instead of making sounds.

### Extra Tones (Menu 9.4.8)

Use this menu to customise additional tones for the phone.

- **Error Tone:** set the phone to beep when you have made a mistake or something wrong happens on the phone.
- **Minute Minder:** set the phone to beep every minute during an outgoing call to keep you informed of the length of your call.
- **Connect Tone:** set the phone to beep when an outgoing call is connected to the system.

### Network Services (Menu 9.5)

---

Use this menu to access network services. Please contact your service provider to check their availability and subscribe to them, if you wish.

#### Call Diverting (Menu 9.5.1)

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

1. Select a call diverting option:
  - **Divert always:** divert all calls.
  - **Busy:** divert calls when you are on another call.
  - **No reply:** divert calls when you do not answer the phone.
  - **Unreachable:** divert calls when you are not in an area covered by your service provider or when your phone is switched off.
  - **Cancel all:** cancel all call diverting options.
2. Select the type of calls to be diverted.
3. Press **<Activate>**. To deactivate call diverting, press **<Deactivate>**.

4. Move to the **Divert to** line.
5. Enter the number to which calls are to be diverted.
6. If you selected **No Reply**, move to the **Seconds** line and select the length of time the network delays before diverting a call.
7. Press <**Select**>.

### Call Barring (Menu 9.5.2)

This network service allows you to restrict your calls.

1. Select a call barring option:
  - **All Outgoing**: prohibit all outgoing calls.
  - **International**: prohibit international calls.
  - **International Except to Home**: only allow calls to numbers within the current country when you are abroad, and to your home country.
  - **All receiving**: prohibit incoming calls.
  - **Receiving While Abroad**: 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.
- **Change Barring Password**: change the call barring password obtained from your service provider.

2. Select the type of calls to be barred.
3. Press <**Activate**>. To deactivate call barring, press <**Deactivate**>.
4. Enter the call barring password supplied by your service provider and press <**Select**>.

### Call Waiting (Menu 9.5.3)

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

1. Select the type of calls to which call waiting option will apply.
2. Press <**Activate**>. To deactivate call waiting, press <**Deactivate**>.

### Network Selection (Menu 9.5.4)

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

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

### Caller ID (Menu 9.5.5)

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

- ☒ Some networks may not allow you to change this setting.

### Closed User Group (Menu 9.5.6)

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

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

### Band Selection (Menu 9.5.7)

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

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

## **Voice Recognition** *(Menu 9.6)*

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Use this menu to customise the settings for using the Voice Recognition feature. The following options are available:

- **Choice Lists:** use a choice list to review and confirm names and numbers when you use the **Name** and **Lookup** commands. For each command, the following options are available:
  - Automatic:** the phone displays a choice list only when it is not sure if it has correctly recognised the name or number.
  - Always On:** the phone always displays a choice list, even when there is only one choice.
  - Always Off:** the phone never displays a choice list.

- **Sensitivity:** adjust the sensitivity in which your phone recognises your voice commands.
- **Digit Dialling:** change the settings for digit dialling.
  - Adapt Digits:** adapt your voice for digits.
  - Reset Digits:** reset settings for digit dialling.
- **Sound:** change the sound settings for the Voice Recognition feature.
  - Prompts:** turn on or off the prompt beep.
  - Digits:** turn on or off the number playback.
  - Names:** turn on or off the name playback.
  - Name Settings:** change the speed of the name playback or adjust the volume of the name playback.
- **Language:** select a country for your language.
- **About:** show information about the Voice Recognition feature.



## **Security** (Menu 9.7)

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

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

### **PIN Check** (Menu 9.7.1)

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

### **Change PIN** (Menu 9.7.2)

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

### **Phone Lock** (Menu 9.7.3)

Use this menu to lock 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 Password** menu.

### **Change Password** (Menu 9.7.4)

Use this menu to change your phone password.

### **Privacy** (Menu 9.7.5)

Use this menu to lock access to messages, files, or all menu functions on the phone, except for call functions.

When a privacy option is enabled, you must enter the phone password to access the locked items or functions.

### **SIM Lock** (Menu 9.7.6)

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

### **FDN Mode** (Menu 9.7.7)

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

### **Change PIN2** (Menu 9.7.8)

If supported by your SIM card, use this feature to change your current PIN2.

## **Connection Settings** (Menu 9.8)

---

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

- ☒ Your phone is suited for connecting to the network by default. If you change the settings without first checking with your service provider, the web browser, MMS, e-mail features may not work properly.

### **Editing a profile**

1. Scroll to the profile you want.
2. Press **<Options>** and select **Edit**.
3. Specify profile parameters:
  - **Profile Name:** enter a profile name.
  - **Homepage URL:** enter the address of the web homepage of your service provider.

- **Bearer:** select a bearer for each type of network address accessed; **GPRS** or **DATA**.
- **Proxy Setting:** set the IP address and port number for the proxy server.
- **User Name:** enter the user name.
- **Password:** enter the login password.
- **APN:** enter the access point name.
- **Proxy Status:** activate or deactivate the proxy server.
- **Primary DNS:** enter the primary address.
- **Secondary DNS:** enter the secondary address.

### **Reset Settings** *(Menu 9.9)*

Use this menu to reset the phone's settings you have changed.

Enter the 4- to 8-digit phone password and press **<OK>**.

## **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:**

"Insert SIM card"

- Be sure that the SIM card is correctly installed.

"Phone locked Enter password"

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

"Enter PIN"

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


**"Enter PUK"**

- The PIN code has been 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 you have accessed the right cellular network.
- Be sure that you have not set an outgoing call barring option.

**Your correspondent cannot reach you**

- Be sure that your phone is switched on. (  pressed for more than one second.)

- Be sure that you are accessing the correct cellular network.
- Be sure that you have not set an incoming call barring option.




**Your correspondent cannot hear you speaking**

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

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

- Your battery is insufficiently charged. Recharge the battery.

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

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

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

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

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

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

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

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

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

## *Health and safety information*

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

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#### **Certification Information (SAR)**

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

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

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

The highest SAR values for this model phone as reported to the FCC are Head: 0.611W/Kg, Body-worn: 0.932W/Kg.

For body worn operations, this model phone has been tested and meets the FCC exposure guidelines when used with a Samsung accessory designated for this product or when used with an accessory that contains no metal and that positions the handset a minimum 1.5 cm from the body.

Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

SAR information on this and other model phones can be viewed on-line at [www.fcc.gov/oet/fccid](http://www.fcc.gov/oet/fccid). This site uses the phone FCC ID number A3LSGHD300.

Sometimes it may be necessary to remove the battery

pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at [www.fcc.gov/cgb/sar](http://www.fcc.gov/cgb/sar).

## **Consumer Information on Wireless Phones**

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

### **What kinds of phones are the subject of this update?**

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

telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

### **Do wireless phones pose a health hazard?**

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



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

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

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

- "Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- "Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- "Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

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

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

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

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF

exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

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

### **What are the results of the research done already?**

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed

increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

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

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

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

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

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

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

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts

to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

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

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

- "If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically

with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

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

### **What about children using wireless phones?**

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

Some groups sponsored by other national governments have advised that children be

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

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

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

meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

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

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

claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

### **What about wireless phone interference with medical equipment?**

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a

person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

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

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

- FCC RF Safety Program:  
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):  
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):  
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>

- National institute for Occupational Safety and Health (NIOSH):  
<http://www.cdc.gov/niosh/emfpg.html>
- World health Organization (WHO):  
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:  
<http://www.icnirp.de>
- National Radiation Protection Board (UK):  
<http://www.nrp.org.uk>
- Updated 4/3/2002: US food and Drug Administration  
<http://www.fda.gov/cellphones>

## 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 additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

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



**“The wireless industry reminds you to use your phone safely when driving.”**

For more information, please call 1-888-901-SAFE, or visit our web-site [www.wow-com.com](http://www.wow-com.com)

Provided by the Cellular Telecommunications & Internet Association

## **Operating Environment**

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

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

## **Using Your Phone Near Other Electronic Devices**

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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 your phone off immediately.

### **Hearing Aids**

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

### **Other Medical Devices**

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

### **Vehicles**

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

### **Posted Facilities**

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

### **Potentially Explosive Environments**

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

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution

areas), chemical plants or where blasting operations are in progress.

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

## Emergency Calls

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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:

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

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

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

## **Restricting Children's access to your Phone**

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

## **FCC Notice and Cautions**

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### **FCC Notice**

- ☑ • This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and,

- ☑ if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help

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

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

## **Cautions**

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

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

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

## Other Important Safety Information

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

## Product Performance

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### Getting the Most Out of Your Signal Reception

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

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

### Understanding the Power Save Feature

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

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

## **Understanding How Your Phone Operates**

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

## **Maintaining Your Phone's Peak Performance**

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

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

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

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

## **Availability of Various Features/Ring Tones**

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

## **Battery Standby and Talk Time**

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Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature,

features selected, frequency of calls, and voice, data, and other application usage patterns.

## Battery Precautions

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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 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare



battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

## **Care and Maintenance**

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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.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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