

- * Some of the contents of this manual may differ from your phone, depending on the software installed or your service provider.
- * Depending on your country, your phone and accessories may appear different from the illustrations in this manual.





GPRS TELEPHONE
SGH-E620



Important safety precautions



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

Use road safety 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 call

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

Keep your phone away from small children

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

Accessories and batteries

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



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

Qualified service



Only qualified service personnel may repair your phone.

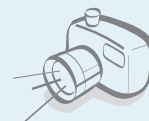
For more detailed safety information, see "Health and safety information" on page 88.

About this Guide

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

In this guide, the following instruction icons appear:

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



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

Special features of your phone



- **Bluetooth**
Send photos, images, videos, and other personal data, and connect to other devices using free, wireless Bluetooth technology.



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



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



- **WAP browser**
Access the wireless web and access various services and current information.

- **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.



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



- **Voice recognition**
Just say a command to dial a phone number or access a menu function.



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



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

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Overview of menu functions

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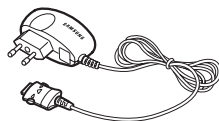
*Shows only if supported by your SIM card.

Unpack

Make sure you have each item



Phone



Travel charger



Battery



User's manual

You can obtain various accessories from your local Samsung dealer.



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

Your phone

Buttons, features, and locations



Get started

First steps to operate 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.

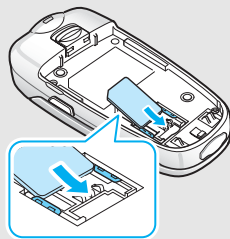
Install and charge the phone

1 Remove the battery.



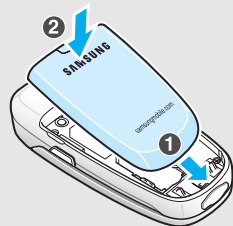
☒ If the phone is already on, first turn it off by holding [⏻].

2 Insert the SIM card.

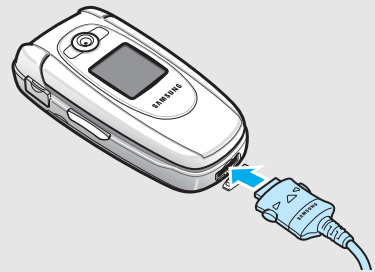


☒ Make sure that the gold-coloured contacts on the card face down into the phone.

3 Install the battery.



4 Plug the travel charger into the phone.

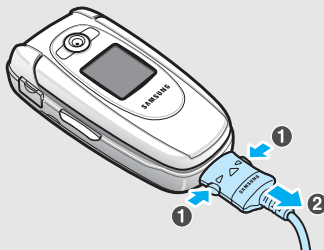


5 Plug the charger into a standard AC wall outlet. The LED on the charger indicates the charging progress:

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


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

7 Remove the charger from the phone.



Low battery indicator

When the battery is low:


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

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


Power on or off

Switch on

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

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

Switch off

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

Keys and display



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



In Idle mode, access the following menu options directly:

- Up: **My devices**
- Down: **Name dial**
- Left: **Text message**
- Right: **Incoming call**

In Menu mode, scroll through the menu options.



In Idle mode, launches the Wireless Application Protocol (WAP) browser.
In Menu mode, selects the highlighted menu option.



Sends or answers a call.
In Idle mode, retrieves the recent numbers dialed, missed, or received.



Deletes characters from the display.



Ends a call.
Hold down to switch the phone on and off.
In Menu mode, cancels input and return the phone to Idle mode.



Enter numbers, letters, and some special characters.
In Idle mode, hold [**1**] down to access your voice mail server. Hold [**0**] down to enter an international prefix.



Enter special characters.
Hold [*****] down to insert a pause between numbers. Hold [**#**] down to activate or deactivate Quiet mode.



(on the left)

Adjusts the phone volume.
In Idle mode, with the phone open, adjusts the keypad tone volume. With the phone closed, hold down to turn on the backlight.

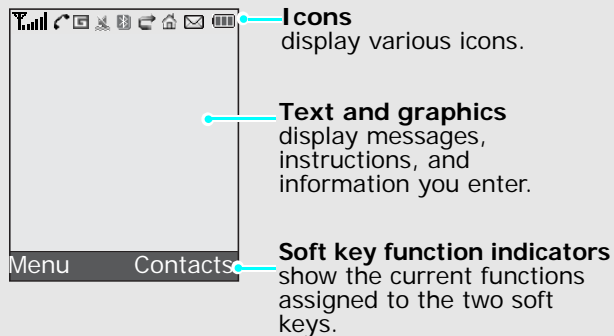


(on the right)

In Idle mode, hold down to turn on the camera.
In Camera mode, takes a photo or records a video.

Display

Layout



Icons*

	Received signal strength
	Call in progress
	Out of your service area; you cannot send or receive calls
	New message
	New e-mail message
	New voice mail

Icons

(continued)

	Call diverting feature is active
	Bluetooth feature is active
	Connected to hands-free or headset
	Synchronised with a PC
	GPRS network
	Roaming network
	Home Zone, if you have registered for the appropriate service
	Call ringer set to vibrate
	Mute mode is active during a call
	Quiet mode is active (Vibration)
	Quiet mode is active (Mute)
	Alarm set
	Battery power level

* The icons shown on the display may vary, depending on your country or service provider.

Access menu functions

Use the soft keys



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



Press the left soft key to access Menu mode.

Press the right soft key to access **Contacts list** in the **Phonebook** menu.

Select an option

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

Use shortcuts

Press the number key corresponding to the option you want.

Customise your phone

Display language

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

Call ringer melody

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

Idle mode wallpaper

You can set a wallpaper for the main or external display.

1. In Idle mode, press <Menu> and select **Settings** → **Display settings** → **Wallpaper** → **Main display** or **Cover display**.

Idle mode wallpaper (continued)

2. Select an image category.
3. Select an image and press <Select>.
4. Press <Save>.

Menu mode skin colour

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

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

Quiet mode

You can switch to Quiet mode to avoid disturbing other people with your phone sound.
Press and hold [#] in Idle mode.



Phone lock

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



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 camera, messages, and other special features

Use camera




Take a photo

1. Open the phone.
2. In Idle mode, press and hold [] to turn on the camera.
3. Aim the lens at the subject and adjust the image.
4. Press [] to take a photo. The photo is saved automatically.
5. Press <Preview> to take another photo.

View a photo

1. In Capture mode, press the left soft key and select **Go to photos**.
2. Press [Left] or [Right] to select a photo category.
3. Select the photo you want.

Record a video

1. In Idle mode, press and hold [] to turn on the camera.
2. Press [1] to switch to Record mode.
3. Press [] to start recording.
4. Press [] to stop recording. The video is saved automatically.
5. Press <Preview> to record another video.

Play a video

1. In Record mode, press the left soft key and select **Go to videos**.
2. Press [Left] or [Right] to select a video category.
3. Select the video you want.

Use Phonebook

Add an entry**To the phone's memory**

1. In Idle mode, enter a phone number and press **<Options>**.
2. Select **Save contact** → **Phone** → a number type.
3. Specify the contact information: First name, Last name, Mobile, Home, Office, Fax, Other, Email, Caller ID, Ringtone, Group, and Memo.
4. Press **<Save>** to save the entry.

Add an entry

(continued)

To the SIM card

1. In Idle mode, enter a phone number and press **<Options>**.
2. Select **Save contact** → **SIM**.
3. Enter a name.
4. Press **<Save>** to save the entry.

Find an entry

1. In Idle mode, press **<Contacts>**.
2. Select an entry.
3. Select a number and press [↶] to dial, or press **<Options>** to access options.

Create and send a name card

1. In Idle mode, press <Menu> and select **Phonebook** → **My name card**.
2. Specify your contact information.
3. Press <Save> to save the name card.
4. To send the name card to other people, press <Options> and select **Send** → **SMS/MMS/Email/Bluetooth**.

Browse the web

Using a built-in WAP (Wireless Access Protocol) browser, you can get easy access to the wireless web to get a variety of up-to-date services and information and to enjoy download of web content.

Launch the browser

In Idle mode, press [].

Navigate with the WAP browser

- To scroll through browser items, press [Up] or [Down].
- To select an item, press <Options> and select **Select**.
- To return to the previous page, press <Options> and select **Back**.
- To return to the home page, press <Options> and select **Home**.
- To access browser options, press <Menu>.

Send messages

Send a text message (SMS)

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **Text message**.
2. Enter the message text.
3. Press <**Options**> and select **Save and send** or **Send only**.
4. Enter destination numbers.
5. Press [**i**_{OK}] to send the message.

Send a multimedia message (MMS)

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **Multimedia message**.
2. Select **Subject**.
3. Enter the message subject and press [**i**_{OK}].

Send a multimedia message (MMS) (continued)

4. Select **Picture&Video** or **Sound** and add a media file.
For **Picture&Video**, select **Add image** or **Add video** to add a photo or video clip.
For **Sound**, select **Add sound** to add a sound clip.
5. Select **Message**.
6. Enter the message text and press [**i**_{OK}].
7. Press <**Options**> and select **Send**.
8. Enter destination numbers.
9. Press [**i**_{OK}] to send the message.

Send an e-mail

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **Email**.
2. Select **Subject**.
3. Enter the e-mail subject and press [**OK**].
4. Select **Message**.
5. Enter the e-mail text and press [**OK**].
6. Select **File attach**.
7. Add image, video, or sound files.
8. Press <**Options**> and select **Send**.
9. Enter e-mail addresses.
10. Press [**OK**] to send the e-mail.

View messages

View a text message

When a notification appears:

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

From the **Inbox**:

1. In Idle mode, press <**Menu**> and select **Messages** → **My messages** → **Inbox**.
2. Select a 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 **Messages** → **My messages** → **Inbox**.
2. Select a message.

View an e-mail

1. In Idle mode, press <**Menu**> and select **Messages** → **My messages** → **Email box**.
2. Select an account.
3. Press <**Yes**> when **Check new Email** is displayed to retrieve an e-mail or a header.
4. Select an e-mail or a header.
5. If you selected a header, press <**Options**> and select **Retrieve**.

Use Bluetooth

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

Turn on Bluetooth

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

Search for and pair with a Bluetooth device

1. In Idle mode, press <Menu> and select **Settings** → **Bluetooth** → **My devices** → **Search new device**.
2. Select a device.
3. Enter a Bluetooth PIN code or the other device's Bluetooth PIN code, 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 an application.
2. Scroll to 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 the reception.

Enter text

AB, T9, Numeric, and Symbol mode

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

Changing the text input mode

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

- Press and hold [*****] to switch between T9 and AB modes. Depending on your country, you may also be able to access an input mode for your specific language.
- Press [*****] to change case or switch to Numeric mode.
- Press and hold [**#**] to switch to Symbol mode.

Using T9 mode

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

Entering a word in T9 mode

1. Press [**2**] to [**9**] to start entering a word. Press each key once for each letter.
For example, press [**4**], [**3**], [**5**], [**5**], and [**6**] to enter Hello in T9 mode.
T9 predicts the word that you are typing, and it may change with each key that you press.
2. Enter the whole word before editing or deleting characters.
3. When the word displays correctly, go to step 4. Otherwise, press [**0**] to display alternative word choices for the keys that you have pressed.
For example, Of and Me use [**6**] and [**3**].
4. Press [**#**] to insert a space and enter the next word.

Tips for using T9 mode

- Press [**1**] to enter periods or apostrophes automatically.
- Press [**#**] to insert a space.
- **Press the Navigation keys to move the cursor.**
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the 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 [**O**] 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 AB mode and press **<OK>**.

Using AB mode

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

Key	Characters in order displayed	
	Upper case	Lower case
1	. , - ? ! @ : () / _ 1	
2	A B C 2 Ä Å Æ Ç Γ	a b c 2 à á â ã 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 ð 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 ρ 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	

Tips for using AB mode

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically or press [Right]. Then, enter the next letter.
- Press [**#**] to insert a space.

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

Using Numeric mode

Numeric 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.

Press and hold [#] to enter Symbol mode.

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

Call functions

Advanced calling features

Making a call



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

☒ Do not turn on the phone when mobile phone use is prohibited. Press [C] to clear the last digit or press and hold [C] to clear the whole display. You can move the cursor to edit an incorrect digit.

Making an international call

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

Redialling recent numbers


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

Making a call from Phonebook

Once you have stored a number in Phonebook, you can dial the number by selecting it from Phonebook. ► p. 31

You can also use the speed dial feature to assign your most frequently called numbers to specific number keys. ► p. 33

Dialling a number from the SIM card

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

Ending a call




Close the phone or press [].

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** in the **Extra settings** menu is active, you can press any key, except for <**Reject**> or []. ► p. 74
- When **Active folder** in the **Extra settings** menu is active, you can simply open the phone. ► p. 74
- Press <**Reject**> or [>] to reject a call.
- With the phone closed, press and hold [/▼] 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 buttons on the headset work as listed below:



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 it.

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

Answering a second call

You can answer an incoming call while already on the phone, if your network supports it and you have activated the call waiting feature. ► p. 78

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 [].



Transferring a call

You can transfer the currently active call to a caller on hold, if your network supports it. With this option, the two callers can talk to each other, but you are disconnected from the call.

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

Using the speaker phone

You can use the phone as a speaker phone to talk and listen with the phone a short distance away.

1. During a call, press [] to listen and talk to the other person hands-free.
2. Press [] again to return to normal phone mode.

Using a Bluetooth headset

Use an optional Bluetooth headset to talk on the phone without holding the phone to your ear. To use this feature, you first need to register your headset and connect it to the phone. ► p. 80

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

Using the menu options

You can access Menu mode and use menu functions.



During a call, some menu functions are not available.

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

Switching off the microphone (Mute mode)

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

Press **<Options>** and select **Mute** or **Unmute**.

Muting or sending key tones

You can turn the key tones off or on.

Press **<Options>** and select **Mute keys** or **Send keys**.

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

Sending a sequence of DTMF tones

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

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

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

Using Phonebook

You can access the **Phonebook** menu to locate or store entries. ► p. 31

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

Using SIM services

The **SIM service** menu is available if you use a SIM card in your phone. A SIM card provides services such as news, weather, sports, entertainment, and location services.

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

Making a multi-party call

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

Your service provider must support multi-party calls for you to use this feature.


Setting up a multi-party call

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

Having a private conversation with one participant

1. Press <**Options**> and select **Private**.
2. Select a name or number from the participant list.
You can talk privately with that person, while the other participants converse with each other.
3. To return to the multi-party call, press <**Options**> and select **Join**.

Dropping one participant

1. Press <**Options**> and select **Remove**.
2. Select a name or number from the participant list.
The participant is dropped from the call, but the call continues with the other parties.
3. Close the phone or press [] to end the multi-party call.

Menu functions

All menu options listed

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.

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

Current contacts *(Menu 1.1)*

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

Accessing a call record

1. Press [Left] or [Right] to select a call type.
2. Press [Up] or [Down] to scroll through the call list.
3. Press [ _{OK}] to view the details of a call, or [

Using call record options

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

- **Detail:** show the details of the selected call.
- **Paste:** edit the phone number.
- **Save contact:** save the number to Phonebook.
- **Send message:** send an SMS or MMS message.
- **Delete:** delete the selected call record or all records.

Missed calls *(Menu 1.2)*

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

Dialled calls *(Menu 1.3)*

This menu displays the most recent calls you have dialled.

Received calls (Menu 1.4)

This menu displays the most recent calls you have received.

Delete all (Menu 1.5)

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

1. Press [**OK**] to check the call type(s) to be cleared.
2. Press <**Delete**>.
3. Press <**Yes**> to confirm the deletion.

Call time (Menu 1.6)

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

- **Last call time:** check the length of your last call.
- **Total sent:** check the total length of all the calls you have dialed.
- **Total received:** check the total length of all the calls you have received.

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



The password is preset to **00000000**. You can change this password. ► p. 83

Call cost (Menu 1.7)

This network feature displays the cost of calls. This menu is available only if your SIM card supports this feature. 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. You need to enter your PIN2.
- **Set max cost:** set the maximum cost authorised for your calls. You need to enter your PIN2.

- **Price/Unit:** set the price per unit that is applied when the cost of your calls is calculated. You need to enter your PIN2.

Phonebook *(Menu 2)*

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

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


Contacts list *(Menu 2.1)*

Use this menu to search for numbers in Phonebook.

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

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, or <**Options**> to access Phonebook options.

Using Phonebook options

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

- **View:** display details about the contact.
- **Edit:** edit the contact information.
- **Send message:** send an SMS, MMS, or e-mail message.
- **Add new contact:** add a new contact to Phonebook.
- **Copy to:** copy the contact to the phone's memory or the SIM card.
- **Send via:** send the contact via SMS, MMS, e-mail, or Bluetooth.
- **Delete:** delete the selected contact or all contacts.

Add new contact *(Menu 2.2)*

Use this menu to add a new contact to Phonebook.

Storing a number in the phone's memory

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

Storing a number on the SIM card

1. Select **SIM** and enter a name.
2. Press [Down] and enter a phone number.
3. Press [Down] and change the location number, if necessary.
4. Press **<Save>** to save the contact.

Group *(Menu 2.3)*

Use this menu to organise your contacts in caller groups.

Creating a new caller group

1. Press **<Options>** and select **Add**.
2. Enter a name for the group.
3. Select the Caller ID line and select an image.
4. Select the Ringtone line and select a melody.
5. Press **<Save>** to save the group.

Adding members to a caller group

1. Select a group.
2. Press **<Add>**. The list of contacts stored in your phone's memory is displayed.
3. Press [**OK**] to select specific contacts you want to add to the selected group and press **<Select>**.
4. To add more members, press **<Options>** and select **Add** → a contact.
5. Repeat step 4 as desired.

Managing caller groups

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

- **View**: display the members of the selected group.
- **Add**: add a new group.
- **Edit**: change the properties of the selected group.
- **Send message**: send an SMS, MMS, or e-mail message to the member(s) you want.
- **Delete**: delete the selected group or all groups. Group members, however, are not deleted from Phonebook.

Speed dial *(Menu 2.4)*

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

Assigning speed dial numbers

1. Select a key location from **2** to **9**. Key [**1**] is reserved for your voice mail server.
2. Select a contact you want from the contact list.

Managing speed dial entries

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

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

Dialling speed dial entries

Press and hold the appropriate key in Idle mode.

My name card (Menu 2.5)

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

Saving your name card

The procedure for creating your name card is the same as the one for saving a phone number in the phone's memory. ► p. 32

Using name card options

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

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

Own number (Menu 2.6)


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

Management (Menu 2.7)

Use this menu to manage Phonebook.

- **Default saving:** select a default memory location to save contacts.

If you select **Ask on saving**, the phone will ask you to select a memory location when saving a number.

- **Copy all to phone:** copy all of the contacts stored on the SIM card to the phone's memory.
- **Delete all:** delete all of the contacts from your phone's memory, your SIM card, or both.
 1. Press [ _{OK}] to check the location(s) to be cleared.
 2. Press <**Delete**>.

3. Enter the phone password and press <OK>.


☒ The password is preset to **00000000**. You can change this password. ► p. 83

4. Press <Yes> to confirm the deletion.

- **Memory status:** display the number of contacts you have stored in Phonebook.

Service number *(Menu 2.8)*

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

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

Applications *(Menu 3)*

Use this menu to play Java games, to record a voice memo, to set time zones and alarms, to use the voice recognition feature, or to use the phone as a calculator, timer, or stopwatch. You can also synchronise Phonebook or calendar data in the phone's memory with a computer.

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

Java world *(Menu 3.1)*

Use this menu to access and play Java games and to select a profile for accessing Java services.

Using Java game options

From the Java world screen, select **Downloads** and press <Options> to access the following options:

- **Launch:** launch the selected game.
- **Delete:** delete the selected game or all games, except for embedded games.
- **Properties:** view the properties of the game.

- **Upgrade:** update the game from the appropriate website.
- **Protection:** protect the game from being deleted.
- **Send information:** send game information to other people via SMS.

Accessing Java settings

You can select a connection profile for accessing Java services.

From the **Java world** menu, select **Settings** and then a profile.

☒ You can edit a profile using the **Connection settings** menu. ► p. 84

Checking memory status



You can view the amount of total memory for the Java games as well as the amount of available and used memory. You can also view the number of downloaded games.

From the **Java world** menu, select **Memory status**.

Voice recorder (Menu 3.2)

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

Recording a voice memo

1. Press [ _{OK}] to start recording.
2. Speak into the microphone.
Press [ _{OK}] to pause or resume the recording.
3. When you finish, press [Down]. The voice memo is saved automatically.
4. Press [Up] to record another voice memo, or press <**Options**> to access the following options:
 - **Play:** play back your voice memo.
 - **Record:** record another voice memo.
 - **Go to voice list:** display the voice memo list.
 - **Send via:** send the voice memo via MMS, e-mail, or Bluetooth.
 - **Delete:** delete the voice memo.
 - **Rename:** change the name of the voice memo.

- **Protection:** protect the voice memo from being deleted.
- **Properties:** view the properties of the voice memo.

Playing a voice memo

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

During playback, use the following keys:

Keys	Function
[i OK]	Pauses or resumes playback.
[Left]	Moves backward.
[Right]	Moves forward.
[Down] or < Stop >	Stops playback.
[▲/▼]	Adjusts the volume.

Using voice memo options

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

- **Record:** record a new voice memo.
- **Go to voice list:** go to the list of voice memos you have recorded.
- **Setting:** select a recording time setting.

Limit for MMS: record a voice memo for adding to an MMS message.

Limit for Email: record a voice memo for adding to an e-mail.

Max record time: record a voice memo for up to about 6 minutes.


World time (Menu 3.3)

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

Setting your local time zone

1. From the world map, press [Left] or [Right] to select the city that corresponds to your home time zone. As the time line moves, the time and date of the given zone display.
2. Press <**Options**> and select **Save** to save the time zone.

Applying Daylight Savings Time

1. From the world map, press <**Options**> and select **Set daylight saving time**.
2. Press [ _{OK}] to check the time zone(s) you want.
3. Press <**Save**>.

Alarm (Menu 3.4)


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

Setting an alarm

1. Select the type of alarm.
2. Press [Left] or [Right] to select **On** on the **Alarm** line and press [Down].
3. Enter the time for the alarm to sound and press [Down].
4. Select **AM** or **PM** in 12-hour time format and press [Down].
5. Select a repeat option.
6. Select the **Alarm tone** line and select an alarm melody.
7. Press <**Save**>.

Stopping an alarm

- When an alarm sounds, press <**Exit**> or any key to stop the alarm.

- When a wake-up call alarm sounds, press **<Confirm>** or [] to stop the alarm.
Otherwise, press **<Snooze>** or any key to stop the alarm and cause it to sound again after 5 minutes. You can do this a maximum of five times.

Setting the alarm to ring even if the phone is off

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

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

PIM sync (Menu 3.5)

Use this menu to synchronise personal data with corresponding PC applications by using the WideSync program supplied with your phone.


Creating a synchronisation profile

1. Press **<Add>**.
2. Enter a profile name and press [Down].
3. Specify the following information for the profile:

- **Sync category:** select the applications you want to synchronise.
- **Sync type:** select a synchronisation type.
- **Sync protocol:** select a connection method.

4. Press **<Save>** to save the profile.

Starting synchronisation

1. Make sure that your PC has MS Outlook and the WideSync program installed, and the phone and the PC are connected by a USB cable or an active Bluetooth connection.
2. Open MS Outlook.
3. From the PIM sync screen, select a profile.
4. Press [].

Using synchronisation options

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

- **Start sync:** start a synchronisation for the selected profile.
- **View result:** show the result of the last synchronisation.

Menu functions

- **New sync profile:** add a new profile.
- **Edit sync profile:** change the properties of the profile.
- **Delete:** delete the selected profile or all profiles.

AnyVoice (Menu 3.6)


Your phone provides a set of powerful voice-enabled features that enhance its hands-free capabilities.

- ☒ Your phone recognises only English, French, German, Italian, and Spanish.

Name dial (Menu 3.6.1)

Use this menu to make a phone call by saying the name that has been assigned to Phonebook. You can quickly access this menu by pressing [Down] in Idle mode.

1. Say a name into the microphone.
If there are similar names, the phone displays the 3 best results and then recites the name that most closely matches your command.

2. Say "Next" following the voice prompt, until you hear the name you want.
To go back to the name or item recited previously, say "Previous."
3. When you press [ OK] or say nothing for 3 seconds, the phone dials the currently selected number.

Name search (Menu 3.6.2)

Use this menu to access the Phonebook entry you want by saying an entry name.

The procedures for name searching are the same as for name dialling.

Direct menu (Menu 3.6.3)

Use this menu to access main menus, as well as the **Name dial** and **Name search** menus directly by saying the name of the menu you want.

1. Say the name of the menu you want to open.
2. If the phone finds several menus, proceed from step 2 in the **Name dial** menu.
3. When you press [ OK] or say nothing for 3 seconds, the phone automatically opens the selected menu.

Settings (Menu 3.6.4)

Use this menu to customise various settings for the voice recognition feature.

- **AnyVoice:** enable or disable the voice command feature.
- **Command timeout:** set a time limit for your phone to wait for your voice commands.
- **Result display:** set how many candidates the phone displays after searching for the best match for your voice command.
- **Voice guides:** turn on or off the voice messages that guide you through the voice command procedure.
- **Guides volume:** adjust the volume for the voice guide messages.
- **Sensitivity level:** adjust the sensitivity with which your phone recognises a voice command.
- **Activate names:** activate or deactivate Phonebook entries to be dialled or accessed by voice command.

Help (Menu 3.6.5)

Use this menu to view the instructions on the voice recognition feature and customising its settings.

Calculator (Menu 3.7)

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

1. Enter the first number.

Press the left soft key to insert a decimal point or bracket.



To move the cursor, press [*****] or [**#**].

2. Press one of the Navigation keys to access the math function you want.
3. Enter the second number.
4. Press [**OK**] to view the result.

Converter (Menu 3.8)

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

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



For the currency converter, you can view and set up the rates by pressing <**View rate**>.

4. Press [Left] or [Right] to select the unit you want to convert to.

The equivalent value for the amount you entered displays.

Timer (Menu 3.9)

Use this menu to set a period of time for the phone to count down. The phone will sound an alarm when the specified period of time has expired.

Starting the timer

1. Press <**Set**>.
2. Enter the length of time you want to count down and press <**OK**>.
3. Press [$\frac{i}{OK}$] to start counting down.

Stopping the timer

- Press <**Exit**> or any key when the timer rings.
- Press [$\frac{i}{OK}$] on the Timer screen to stop the timer before it rings.

Stopwatch (Menu 3.0)

Use this menu to measure elapsed time. The precision of the stopwatch is one one-hundredth of a second. The maximum measurement time is 10 hours.

1. Press [$\frac{i}{OK}$] to start the timer.

2. Press [**i**_{OK}] to check an interval. You can repeat this step for a total of 4 intervals.
3. To reset the stopwatch, press <**Reset**>.

Browser *(Menu 4)*

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

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

Home *(Menu 4.1)*

Use this menu to connect your phone to the network and load the home page of the wireless web service provider. You can also press [**i**_{OK}] in Idle mode.

Navigating with the WAP browser

To	Press
scroll through browser items	[Up] or [Down].
select a browser item	< Options > and select Select .
return to the previous page	< Options > and select Back .

Using WAP page options

From any WAP page, press <**Menu**> to access the following options:

- **Bookmarks:** display the Bookmarks list.
- **Reload:** reload the current page.
- **Home:** go back to the home page.
- **Go to URL:** enter a URL address manually.
- **Show URL:** display the URL address of the current web page. You can also set the current page as the home page for the WAP browser or a bookmark.

Menu functions

- **Clear cache:** clear the cache memory.
- **Inbox:** access WAP push messages in the WAP browser.
- **Show images:** display images on the current page.
- **Certificates:** display the WAP browser certificate.

Exiting the WAP browser

Press [] to exit the browser.


Bookmarks *(Menu 4.2)*

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

Adding a bookmark

1. Select an empty location.
2. Enter a name for the bookmark and press [Down].
3. Enter a URL address and press <Save>.

Accessing a bookmarked page

Scroll to a bookmark item and press [].

Using bookmark options

After saving an item, press <Options> to access the following options:

- **Go to URL:** access the bookmarked website.
- **Edit:** edit the address and name of the bookmark.
- **Delete:** delete the selected bookmark or all bookmarks.

http:// *(Menu 4.3)*

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

WAP profile *(Menu 4.4)*

Use this menu to select a connection profile for accessing the WAP browser.



You can edit a profile using the **Connection settings** menu. ► p. 84

Clear cache *(Menu 4.5)*

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

Messages *(Menu 5)*

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

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

Create message *(Menu 5.1)*

Use this menu to create and send SMS, MMS, or e-mail messages.


Text message *(Menu 5.1.1)*

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




The maximum number of characters allowed in a text message varies by service provider. If your message exceeds the maximum number of characters, the phone will split the message.

1. Enter your message.
2. Press <**Options**> to access one of the following options:
 - **Save and send**: both save a copy of the message and send the message.
 - **Send only**: send the message.
 - **Insert**: add a template, Phonebook entry, or bookmark.
 - **Add picture/animation/melody**: attach a picture, animated image, or melody.
 - **Attach**: attach a name card or calendar data as a data format attachment.
 - **Save to**: save the message in the **Drafts** box or one of the folders you have created.
 - **Language select**: change the language used in T9 input mode.

- **Text style:** change the text attributes.
 - **Input method:** change the text input mode.
3. When you have finished, press <**Options**> and select **Save and send** or **Send only**.
 4. Enter a destination number.
To send the message to more than one recipient, press [Down] and fill in additional destination fields.
 5. Press [] to send the message.


Multimedia message (Menu 5.1.2)


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

1. Select the **Subject** line.
2. Enter the message subject and press [].
3. Select the **Picture&Video** or **Sound** line and add an image, a video, or a sound file.




The maximum size allowed for an MMS message can differ depending on the country. If you cannot attach another file, add another page.


4. Select the **Message** line.
5. Enter the message text and press [].
6. Press <**Options**> to access the following options:
 - **Edit:** edit the subject or text of your message.
 - **Add image/video/sound:** add photos, videos, or sounds to the message. Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.
 - **Change image/video/sound:** change an added item.
 - **Preview:** display the message you have created.
 - **Send:** send the message.
 - **Save to:** save the message in the **Drafts** box or one of the folders you have created.
 - **Add page:** add pages. Move to each page by pressing [Left] or [Right] on the message screen.
 - **Delete page:** delete an added page.
 - **Edit page:** change the duration of page display or move the page forward.

- **Attach:** attach a name card or calendar data as a data format attachment.
 - **Clear subject/message:** clear the subject or text.
 - **Remove media/sound:** remove an added item.
7. When you have finished, press <**Options**> and select **Send**.
 8. Enter a destination number.
To send the message to more than one recipient, press [Down] and fill in additional destination fields.
 9. Press [ _{OK}] to send the message.

Email (Menu 5.1.3)

You can send e-mails that include text, audio, and images. To use this feature, you need to subscribe to an e-mail service and set up your e-mail account and profile. ► p. 58, p. 58

1. Select the **Subject** line.
2. Enter the subject of your e-mail and press [ _{OK}].

3. Select the **Message** line.
4. Enter the e-mail text and press [ _{OK}].
5. Press <**Options**> to add multimedia files by selecting the following options in the **File attach** line:
 - **Add image/video/sound:** add items stored in the phone's memory. Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.
 - **Other files:** add files in a format which your phone does not support.
 - **Attach:** attach a name card or calendar data as a data format attachment.
6. When you have finished, press <**Options**> to access the following options:



Options may vary depending on the selected field.

- **Edit:** edit the subject or text.
- **View/Play:** display/play an added item.
- **Send:** send the e-mail.

- **Save to:** save the message in the **Drafts** box or one of the folders you have created.
 - **Remove subject/message:** clear the subject or text.
 - **Remove attachment:** delete the selected attachment.
 - **Remove all attachment:** delete all attachments.
7. When you have finished, press <**Options**> and select **Send**.
 8. Enter an e-mail address.
To send the e-mail to more than one recipient, press [Down] and fill in additional destination fields.
 9. Press [**i**_{OK}] to send the e-mail.

My messages (Menu 5.2)

Use this menu to store all of the messages you have received, sent, or failed to send.

Inbox (Menu 5.2.1)

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

Viewing a message at the time of its receipt

When a message has been received, the phone alerts you by:












- Displaying a message icon with text notification
- Sounding a tone or vibrating, depending on the message alert setting.

To read a message immediately, press <**View**> and select a message from the **Inbox**.


For an MMS message, press <**Options**> and select **Retrieve**. The message is downloaded from the MMS server to the phone's memory.

Viewing a message in Inbox

The following icons may appear on the message list; depending on the message type or status, icons may vary:

-  SMS
 -  MMS
 -  MMS notification;  indicates that MMS has been retrieving from the server and  indicates that MMS has been failed to retrieve.
 -  WAP push messages/OTA messages
 -  CB messages
 -  Delivery report for your sent messages
-  According to the DRM (Digital Rights Management) system, messages having web content may not be able to be forwarded. They are indicated by .
 - A  icon next to a message means that a message is of high priority. A grey-coloured message icon is of low priority.

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

-  Options may vary depending on your country or service provider.

- **View:** open the message.
- **Retrieve:** retrieve the MMS message from the server.
- **Delete:** delete the message.
- **Move to My folder:** move the message to one of the folders you have created in the **My folders** menu.
- **Sort by:** change the sort order of the messages.
- **Protection:** protect the message from being deleted.

Using message options

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

SMS messages

- **Reply:** reply to the sender.

- **Forward:** forward the message.
- **Delete:** delete the message.
- **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:** save media content from the message into your phone's memory.
- **Protection:** protect the message from being deleted. You can protect only those messages stored in the phone's memory.

MMS messages

- **Reply via SMS:** send a reply message via SMS.
- **Reply via MMS to:** send a reply message via MMS.
- **Forward:** forward the message to another person.
- **Delete:** delete the message or all messages.
- **Cut address:** extract URLs, e-mail addresses, or phone numbers from the message.

- **Cut media:** save media content from the message into your phone's memory.
- **Protection:** protect the message from being deleted.
- **Properties:** view the properties of the message.

OTA messages

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

WAP push messages

- **Go to URL:** connect to the URL specified in the message.
- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.
- **Protection:** protect the message from being deleted.

CB messages

- **Save:** save the message to the phone's memory.
- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.

Delivery report messages

- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.
- **Delete:** delete the message.
- **Protection:** protect the message from being deleted.

Drafts (Menu 5.2.2)

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

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



- **Edit:** edit the message.
- **Delete:** delete the message or all messages.
- **Move to My folder:** move the message to one of the folders you have created in the **My folders** menu.

- **Sort by:** change the sort order of the messages.
- **Protection:** protect the message from being deleted.
- **Properties:** view the properties of the message.

Outbox (Menu 5.2.3)

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

In this folder, the following icons are available:

-  Message that the phone is sending
-  Message that the phone has failed to send

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

- **View:** display the message.
- **Delete:** delete the message or all messages.
- **Move to My folder:** move the message to one of the folders you have created in the **My folders** menu.
- **Sort by:** change the sort order of the messages.
- **Send again:** send the message.

Menu functions

- **Forward:** forward the message to other people.
- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.
- **Protection:** protect the message from being deleted.
- **Properties:** view the message properties.

Sent (Menu 5.2.4)

This folder stores messages that you have sent.

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

- **View:** open the message.
- **Send:** send the message.
- **Delete:** delete the message or all messages.
- **Move to My folder:** move the message to one of the folders you have created in the **My folders** menu.
- **Sort by:** change the sort order of the messages.
- **Forward:** forward the message to other people.
- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.

- **Protection:** protect the message from being deleted.
- **Properties:** view the properties of the message.







Email box (Menu 5.2.5)

This folder stores e-mails that you have received.

1. Select an e-mail account.
2. Press <**Yes**> when **Check new Email** is displayed to get new mails from the server.

The phone checks for new e-mails and retrieves received e-mails.

The following icons may appear on the message list; depending on the e-mail status, icons may vary:

-  has been read
-  has not been read
-  has been retrieved from the server
-  has not been retrieved;  indicates that an e-mail has been retrieving from the server and  indicates that an e-mail has been failed to retrieve.



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

3. Scroll to an e-mail or header and press [**i** _{OK}].
4. If the e-mail has more than one page, press [**▲** / **▼**] to scroll through pages one by one.
Press [Left] or [Right] to move to the first or last page.
5. Select an attached file to view or play it.

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



Options may vary depending on the status of the e-mail.

- **View:** open the selected item.
- **Retrieve:** retrieve one or all of the e-mails from the e-mail server.
- **Reply:** send a reply to the sender or to all of the other recipients.
- **Forward:** forward the e-mail.

- **Delete:** delete the currently selected item.
- **Move to My folder:** move the e-mail to one of the folders you have created in the **My folders** menu.
- **Add to filtering list:** add the sender's e-mail address to the filter list to reject e-mails from that address.
- **Cut address:** extract URL, e-mail addresses, or phone numbers from the message.
- **Cut media:** save media content from the message to your phone's memory.
- **Check new Email:** check the Email box for new e-mails.
- **Protection:** protect the e-mail from being deleted.
- **Properties:** view the properties of the e-mail.

My folders (Menu 5.2.6)

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

Creating a new folder

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

Using folder options

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

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

Templates *(Menu 5.3)*

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

Creating a text 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 template.

- **Send message**: send a new message using the template.
- **Delete**: delete the template.
- **Add new**: add a new template.

Delete all *(Menu 5.4)*

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

Settings *(Menu 5.5)*

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

Text message *(Menu 5.5.1)*

You can configure default SMS settings for sending or receiving messages.

- **Send settings**: set up the following options for sending a text message:
 - Reply path**: allow the recipient to reply to you through your message centre.

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

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

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

- **Current profile:** select a profile.
- **Profile settings:** set the following properties in a profile:

Service centre: store or change the number of your message centre.

Default destination: enter the default destination. It will be displayed in 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 centre while attempts are made to deliver them.

Setting name: enter a profile name.

Multimedia message *(Menu 5.5.2)*

You can configure default MMS settings for sending or receiving messages.

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

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

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

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

Priority: set the priority level of your messages.

Expiry date: set the length of time your messages are stored in the message centre.

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

Outgoing message size: select a maximum size of attached items allowed for an MMS message.

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

Reject unknown sender: reject messages from unknown senders.

Advert allowed: accept advertisements.

Information allowed: accept information messages.

Personal allowed: accept personal messages.

Report allowed: send a delivery report from the network to the sender.

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

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

Home reception and Roaming reception have the following options:

- **Automatic:** the phone automatically retrieves messages from the server.
- **Reject:** the phone rejects all messages.
- **Manual:** the phone displays notifications. Use the **Retrieve** option to manually download new messages.
- **Profile:** select a connection profile to be used for MMS.



You can edit a profile using the **Connection settings** menu. ► p. 84

Email (Menu 5.5.3)

You can configure default network settings that are required to send or receive e-mails.

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

- **Send settings:** set up the following options for sending an e-mail:
 - Delivery report:** set the network to inform you when your e-mail has been delivered.
 - Reply to address:** set the network to send a request for a reply along with your e-mail to the recipient.
 - Priority:** select the priority level of your e-mail.
 - Include signature:** attach your name, phone number, a simple memo, or a tag line to your e-mail.
 - Edit name:** edit the name in your signature.
 - Edit telephone number:** edit the phone number in your signature.
 - Edit note:** edit the tag line in your signature.

- **Receive settings:** set up the following options for receiving an e-mail:
 - Check interval:** determine how often the phone checks the server for incoming e-mails.
If you set this option to **Do not notify**, you can use the **Check new Email** feature to check your e-mail manually.
 - Read reply:** determine whether or not the phone sends a read-reply request.
When this option is set to **Announce**, the phone reminds you to send a read-reply request with your e-mail address.
 - Reject if larger than:** determine the maximum size for incoming e-mails. Your phone will reject e-mails that exceed the specified size.
 - Leave a copy of messages on the server:** leave copies of e-mails after retrieving.
- **Block list:** specify e-mail addresses or subjects to reject messages from the address or containing the subjects.

- **Email account:** set up an e-mail account and select an account to be used.

Current account: select an account.

Account settings: configure up to five e-mail accounts using different e-mail servers. The following options are available for each account:

- **Account name:** enter a name for the currently selected account.
- **User name:** enter a user name.
- **Email address:** enter your e-mail address.
- **User ID:** enter your e-mail ID.
- **Password:** enter your e-mail password.
- **SMTP server:** enter the IP address or domain name of the outgoing e-mail server.
- **SMTP port:** enter the SMTP port number.
- **Protocol type:** select the protocol for the incoming e-mail server. The remaining options depend on the protocol type setting.

The following options are available when the protocol type is **POP3**:

- **POP3 server:** enter the IP address or domain name of the server that receives your e-mail.
- **POP3 port:** enter the POP3 port number.
- **APOP login:** connect to the server by using the APOP login scheme when this option is selected.

These options are available when the protocol type is **IMAP4**:

- **IMAP4 server:** enter the IP address or domain name of the server that receives your e-mail.
- **IMAP4 port:** enter the IMAP4 port number.
- **Include attachments:** select this option to receive attachments with e-mails.
- **Email retrieval limit:** set the number of headers you will retrieve from the server.
- **Email profile:** select a connection profile to be used for e-mail services.



You can edit a profile using the **Connection settings** menu. ► p. 84

Push message (Menu 5.5.4)

You can change the settings for receiving WAP push messages from the wireless web server. The following options are available:

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

Broadcast (Menu 5.5.5)

You can change the settings for receiving CB messages. The following options are available:

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

Memory status (Menu 5.6)


Use this menu to view the maximum memory and available memory for each message type. You can also view the memory currently in use in each folder.

File manager (Menu 6)

The **File manager** menu allows you to access image, video, sound, and other files stored in the phone's memory.

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




According to the DRM (Digital Rights Management) system, web content may not be able to be forwarded. The content is indicated by .

Images (Menu 6.1)

This menu displays photos you have taken and images downloaded or received in messages.

Viewing an image


1. Select an image folder.
2. Scroll to an image and press [].

Using image options


While viewing an image or the image list, press <**Options**> to access the options. ► p. 69

Videos (Menu 6.2)

This menu displays video clips you have recorded, downloaded, or received in messages.

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

Playing a video clip

1. Select a video folder.
2. Scroll to a clip and press []. ► p. 72

Using video options


While viewing the video list, press <**Options**> to access the options.

- **Play:** play the video clip.
- **Send via:** send the video clip via MMS, e-mail, or Bluetooth.
- **Set as wallpaper:** set the video clip, if saved for adding to MMS messages or e-mails, as your wallpaper for the idle screen.
- **Delete:** delete the video clip.
- **Rename:** change the name of the video clip.
- **Move to Favourite videos:** go to the **Favourite videos** folder.
- **Share for bluetooth:** set whether or not to prevent this file from being accessed from other Bluetooth devices.
- **Protection:** protect the video clip from being deleted.
- **Properties:** view the properties of the video clip.

Sounds (Menu 6.3)

This menu displays sound files you have recorded, downloaded, or received in messages.

Playing a sound clip

1. Select a sound folder.
2. Scroll to a clip and press [].

Using sound options


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

- **Play:** play the sound file.
- **Send via:** send the file via MMS, e-mail, or Bluetooth.
- **Set as:** set the file as your ring tone or as a caller alert melody for a Phonebook entry.
- **Delete:** delete the selected file or all files.
- **Rename:** change the file name.
- **Move to Favourite sounds:** move the file to the **Favourite sounds** folder.

- **Share for bluetooth:** set whether or not to prevent this file from being accessed from other Bluetooth devices.
- **Protection:** protect the file from being deleted.
- **Properties:** view the properties of the file.

Other files (Menu 6.4)

Files that you have received but which are not supported by your phone are stored in this folder. You cannot display these files on the phone. Unsupported file formats include *.doc, *.hwp, *.ppt, and *.txt.

While viewing the file list, press [] to access the following options:

- **Send via:** send the file via e-mail, or Bluetooth.
- **Delete:** delete the selected file or all files.
- **Rename:** change the file name.
- **Share for bluetooth:** set whether or not to prevent this file from being accessed from other Bluetooth devices.
- **Protection:** protect the file from being deleted.
- **Properties:** view the properties of the file.

Memory status (Menu 6.5)

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

Calendar (Menu 7)





The calendar feature enables you to keep track of your schedule and to-do list, to view missed alarm events, and to make a memo.

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

Consulting the calendar

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

The number of events for the specific day appears at the bottom of the calendar. The following icons indicate the type of event:

-  Scheduled event
-  Anniversary
-  To-do item
-  Memo

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

- **View mode:** change the view mode of the calendar.
- **Create:** add a new event.
- **Go to:** go to the current date or enter a specific date.
- **Sort by:** sort items by the type of event.
- **Delete:** delete item(s) stored on the calendar by using various deleting options.



You can only delete scheduled event with a repeating alarm on Day view.

- **Missed alarm events:** view events whose alarms you have missed.
- **Memory status:** view the memory status for items stored in the phone's memory.

Creating an event

You can schedule up to 400 events on the calendar, and schedule more than one event per day.

Entering a new scheduled event

1. Scroll to a date on the calendar.
2. Press **<Options>** and select **Create** → **Schedule**.
3. Enter information or change the settings in the following entry fields:
 - **Subject**: enter the title of the event.
 - **Details**: enter event details.
 - **Start date** and **Start time**: enter the starting date and time for the event.
 - **AM/PM**: select **AM** or **PM** in 12-hour time format.
 - **End date** and **End time**: enter the ending date and time for the event.
 - **AM/PM**: select **AM** or **PM** in 12-hour time format.
 - **Location**: enter information about the event location.

- **Alarm**: set an alarm for the event.
- **Before**: set how long before the event the alarm is to alert you.
- **Alarm tone**: select an alarm tone.
- **Repeat**: select to set the event to recur and a repeat unit.
- **Until**: if the event will recur, set the ending date.

4. Press **<Save>** to save the event.

Entering a new anniversary

1. Select a date on the calendar.
2. Press **<Options>** and select **Create** → **Anniversary**.
3. Enter information or change the settings in the following entry fields:
 - **Occasion**: enter information about the anniversary.
 - **Date**: enter the date.
 - **Alarm**: select to set an alarm for the anniversary.

- **Before:** set how long before the event the alarm is to alert you.
- **Alarm time:** enter the time for the alarm to sound.
- **AM/PM:** select **AM** or **PM** in 12-hour time format.
- **Alarm tone:** select an alarm tone.
- **Repeat every year:** select to set the phone to remind you of the anniversary every year.

4. Press **<Save>** to save the event.

Entering a memo

1. Select a date on the calendar.
2. Press **<Options>** and select **Create → Memo**.
3. Enter a memo and press **<Save>**.

Entering a to-do item

1. Select a date on the calendar.
2. Press **<Options>** and select **Create → To do**.
3. Enter information or change the settings in the following entry fields:

- **To do:** enter information about the item.
- **Start date:** enter the starting date.
- **Due date:** enter the ending date.
- **Select priority:** select a priority level.

4. Press **<Save>** to save the event.

Viewing an event

Square brackets on a calendar date indicate the following type of events scheduled for that day:

- Blue: scheduled event
- Orange: anniversary
- Red: to-do item
- Green: memo

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

While viewing an event or the event list, press **<Options>** to access the following options:

- **View:** display the event details.
- **Edit:** edit the event.
- **Create:** add a new event.

- **Send via:** send the event via SMS, MMS, e-mail, or Bluetooth.
- **View mode:** change the view mode of the calendar.
- **Sort by:** sort items by the type of event.
- **Delete:** delete item(s) stored on the calendar by using various deleting options.
- **Missed alarm events:** view events whose alarms you have missed.
- **Memory status:** view the memory status for items stored in the phone's memory.

Viewing an event in different mode

By default, the calendar appears in Month view mode.





Press <**Options**> and select **View mode** to change the mode.

Day view

You can view events for the selected date.

Select an event to view its details.

The following icons will be displayed according to the event's type and status:

-  Alarm set
-  Recurring event
-  Completed to-do
-  To-do priority; its colour indicates the priority level (Red: high, Blue: normal, and Grey: low)

Week view

You can view events (only for items stored for Schedule) for the selected week.

A cell on the timetable indicates the presence of event information.

Select the cell that contains the event you want.

Viewing a missed alarm event

When you are unable to acknowledge an alarm, the phone displays a missed alarm notification.

- Press **<View>** to view the corresponding event.
- Press **<Exit>**.

Accessing missed event alarm

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


Using missed alarm options

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

- **View**: display the event details.
- **Delete**: delete the event.
- **Delete all**: delete all events.

Camera (Menu 8)

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

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



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

Taking a photo

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



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

1. Access the **Camera** menu to turn on the camera. The image to be captured appears on the display.

2. Adjust the image by aiming the camera lens at the subject.
 - Press the left soft key to access camera options. ► p. 67
 - Use the keypad to change the camera settings or switch to other modes. ► p. 68
3. Press [**Ⓢ**] to take a photo. The photo is saved in the **Photos** folder.

4. To	Press
use photo options	< Options >. ► p. 68
delete the photo	[C] and then < Yes >.
return to Capture mode	< Preview >.

Using camera options in Capture mode

In Capture mode, press the left soft key to access the following options:

- **Record video:** switch to Record mode.
- **Shooting mode:** take a photo in the following modes:

Single shot: take a photo in normal mode.

Multi shot: take a series of action stills. Select the number of photos and the speed that the camera will take.


Mosaic shot: take several stills and save them in one frame. Select the number of still images the camera will take.

- **Effects:** change the colour tone or apply a special effect to photos to be taken in normal mode.
- **Frames:** apply a decorative frame to photos to be taken in normal mode.
- **Flash:** determine the flash use.
- **Timer:** set a time delay before the camera takes a photo.
- **Go to photos:** go to the **Photos** folder.
- **Settings:** change the default settings for taking a photo.

Size: select an image size.

Quality: select an image quality setting.

Viewfinder mode: select a preview screen.

Shutter sound: select the sound that you hear when you press the shutter release, [].

- **Short cuts:** view the functions of the keys you can use.

Using the keypad in Capture mode

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

Key	Function
[▲]	Flips the image vertically.
[▼]	Shows the mirror image.
[Left/ Right]	Adjusts the brightness of the image.
[Up/ Down]	Zooms in or out.
[1]	Switches to Record mode. ► p. 70
[2]	Changes the image size.
[3]	Changes the image quality.

Key	Function
[4]	Changes the camera mode.
[5]	Changes the colour tone or applies a special effect to a photo.
[6]	Reduces the distortion on the image to maximise detail and sharpness.
[7]	Selects a decorative frame.
[8]	Sets the timer.
[9]	Goes to the Photos folder.
[0]	Determines the flash use.
[*]	Changes the preview screen.


Using photo options

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

- **Take another:** return to Capture mode.
- **Send via:** send the photo via MMS, e-mail, or Bluetooth.

- **Set as:** set the photo as your wallpaper for the displays or as a caller ID image for a Phonebook entry.
- **Delete:** delete the photo.
- **Rename:** change the name of the photo.
- **Go to photos:** go to the **Photos** folder.
- **Protection:** protect the photo from being deleted.
- **Properties:** view the properties of the photo.

Viewing a photo




1. In Capture mode, press the left soft key and select **Go to photos**.
2. Scroll to a photo and press [].





While viewing a photo or the photo list, press <**Options**> to access the following options:

- **List:** return the screen to the photo list.
- **View:** view the photo on the full screen.
- **Send via:** send the photo via MMS, e-mail, or Bluetooth.

- **Set as:** set the photo as your wallpaper for the displays or as a caller ID image for a Phonebook entry.
- **Delete:** delete the photo.
- **Rename:** change the name of the photo.
- **Move to Favourite images:** move the photo to the **Favourite images** folder.
- **Slide show:** display all photos in turn as a slide show. You can select the rate at which the photos cycle.
- **Share for bluetooth:** set whether or not to prevent this file from being accessed from other Bluetooth devices.
- **Protection:** protect the photo from being deleted.
- **Properties:** view the properties of the photo.



Taking a photo with the phone closed


1. Press and hold [].
2. Press [>] to select an option and press [>] to change the setting.

-  : flips the image vertically and horizontally.
 -  : changes the image brightness.
 -  : zooms in or out.
3. Press [>] to take a photo. The photo is automatically saved in the **Photos** folder.

Recording a video

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

1. In Capture mode, press [**1**].
2. Aim the camera lens at the subject to adjust the image.
 - Press the left soft key to access camera options.
 - Use the keypad to change the camera settings or switch to other modes. ► p. 71
3. Press [>] to start recording.
4. Press [>] or the right soft key to stop recording. The video is automatically saved in the **Video clips** folder.

To	Press
play back the video clip	[].
use the video options	< Options >. ► p. 72
delete the video clip	[C] and then < Yes >.
return to Record mode	< Preview >.

Using camera options in Record mode

In Record mode, press the left soft key to access the following options:

- **Take photo**: switch to Capture mode.
- **Effects**: change the colour tone or apply a special effect to a video.
- **Flash**: determine the flash use.
- **Timer**: set a time delay before the camera starts recording.
- **Go to videos**: go to the **Video clips** folder.
- **Settings**: change the following settings for recording a video:

Size: select a frame size.

Video quality: select an image quality setting.

Screen mode: select a preview screen.

Audio record: record audio with a video clip.

- **Short cuts:** view the functions of the keys you can use.

Using the keypad in Record mode

You can use the keypad to customise your camera settings in Record mode:

Keys	Function
[▲]	Flips the image vertically.
[▼]	Shows the mirror image.
[Left]/ [Right]	Adjusts the brightness of the image.
[Up]/ [Down]	Zooms in or out.

Keys	Function
[1]	Switches to Capture mode. ► p. 66
[2]	Changes the frame size.
[3]	Changes the image quality.
[5]	Changes the colour tone or applies a special effect to a photo.
[6]	Reduces the distortion on the image to maximise detail and sharpness.
[7]	Mutes or unmutes the audio.
[8]	Sets the timer.
[9]	Goes to the Video clips folder.
[0]	Determines the flash use.
[*]	Changes the preview screen.

Using video options

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

- **Record another:** return to Record mode.
- **Send via:** send the video clip via MMS, e-mail, or Bluetooth.
- **Set as wallpaper:** set the video clip, if saved for adding it to MMS messages or e-mails, as your wallpaper for the idle screen.
- **Delete:** delete the video clip.
- **Rename:** change the name of the video clip.
- **Go to videos:** go to the **Video clips** folder.
- **Protection:** protect the video clip from being deleted.
- **Properties:** view the properties of the video clip.

Playing a video clip










1. In Record mode, press the left soft key and select **Go to videos**.
2. Scroll to a video clip and press [**i** _{OK}].

To stop playback, press [Down].

To adjust the volume, press [**▲**/**▼**].

3. Press <**Options**> to access the following options:
 - **List:** return to the video clip list.
 - **Send via:** send the video clip via MMS, e-mail, or Bluetooth.
 - **Set as wallpaper:** set the video clip, if saved for adding it to MMS messages or e-mails, as your wallpaper for the idle screen.
 - **Delete:** delete the video clip.
 - **Rename:** change the name of the video clip.
 - **Move to Favourite videos:** move the video clip to the **Favourite videos** folder.
 - **Share for bluetooth:** set whether or not to prevent this file from being accessed from other Bluetooth devices.
 - **Protection:** protect the video clip from being deleted.
 - **Properties:** view the properties of the video clip.

Recording a video with the phone closed

1. Press and hold [.
2. Press [] to switch to Record mode.
3. Press [] to select an option and press [] to change the setting.
 -  : flips the image vertically and horizontally.
 -  : changes the image brightness.
 -  : zooms in or out.
4. Press [] to start recording.
5. Press [] to stop recording. The video clip is automatically saved in the **Video clips** folder.

Settings *(Menu 9)*

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

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

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.

► p. 38

- **Set time:** enter the current time.
- **AM/PM:** select **AM** or **PM** in 12-hour time format.
- **Time format:** select time format.
- **Set date:** enter the current date.
- **Starting day of calendar:** set which day of the week the calendar starts with.

Phone settings (Menu 9.2)

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

Language (Menu 9.2.1)

Use this menu to select one of several languages for the display text.



Greeting message (Menu 9.2.2)

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

Extra settings (Menu 9.2.3)

You can turn the automatic redialling or answering feature on or off, and lock the external keys.

- **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 []. When this option is not selected, you must press <Accept> or [] to answer a call.

Display settings (Menu 9.3)

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

Wallpaper (Menu 9.3.1)

You can set up the idle screen on both displays.

- **Main display:** select an image or video clip to be displayed on the main display.
- **Cover display:** select an image to be displayed on the external display.
- **Text position:** select a text position on the display. If you don't want to display text in Idle mode, select **Off**.
- **Text mode:** select a text mode.
- **Text colour:** select the text colour.

- **Graphic logo:** set the phone to display the service provider's logo instead of its name, if you have downloaded it.

Skin (Menu 9.3.2)

You can select a skin colour for Menu mode.

LCD brightness (Menu 9.3.3)

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

Back light (Menu 9.3.4)

You can select the length of time the backlight stays on and the display is on in Dim mode, in which the backlight is off.

- **Main LCD on:** select the length of time the backlight is on.
- **Main LCD dim:** select the length of time the display is in Dim mode after the backlight turns off. After a specified time, the display turns off.

Dialing font colour (Menu 9.3.5)

Use this menu to customise settings for the screen when entering a phone number for dialling.

Sound settings (Menu 9.4)

Use this menu to customise various sound settings.

Incoming call (Menu 9.4.1)

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

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

Melody: the phone rings using the selected ring tone.

Vibration: the phone vibrates but not rings.

Vibration then melody: the phone vibrates three times and then starts ringing.

Keypad tone (Menu 9.4.2)

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

- ☒ You can adjust the keypad tone volume using [▲/▼] in Idle mode.

Message tone (Menu 9.4.3)

Use this menu to set up the ringer for incoming SMS , MMS, e-mail, and CB messages.

- **Tone:** select one of several message tones.
- **Alert type:** specify how you are to be informed of any incoming messages.
- **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.

Quiet mode (Menu 9.4.6)

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

- **Vibration:** set the phone to vibrate.
- **Mute:** mute all sound settings.

Extra tones (Menu 9.4.7)

Use this menu to customise additional tones for the phone.

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

- **Error tone:** set the phone to beep when you have made a mistake or something wrong happens on the phone.

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. To activate call diverting, select **Activate**. Otherwise, select **Deactivate**.
4. Move to the **Divert to** line.
5. Enter the number to which calls are to be diverted and press **<Select>**.
6. If you selected **No reply**, move to the **Seconds** line and select the length of time the network delays before diverting a call.

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, defined as where your home network provider is located.
 - **All incoming:** prohibit all incoming calls.

- **Incoming 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. Select **Activate**. To deactivate call barring, select **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. Select **Activate** and press <**Select**>. To deactivate call waiting, select **Deactivate**.

Network selection (Menu 9.5.4)

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

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

- **Automatic:** connect to the first available network when roaming.
- **Manual:** select the network you want.

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. However, some networks do not allow the user to change this setting.

- **Default:** use the default setting provided by the network.
- **Hide number:** ensure your number does not display on the other person's phone.

- **Send number:** send your number each time you make a call.

Voice mail server (Menu 9.5.6)

Use this menu to store the number of the voice mail server and access your voice mails.

☒ You must enter the voice server number before you can access your voice mails. Your service provider can give the voice server number.

- **Connect to voice server:** connect to the voice mail server to allow you to listen to your messages. You can also connect to the voice mail server by pressing and holding [**1**] in Idle mode.
- **Voice server number:** enter the voice mail server number.

Closed user group (Menu 9.5.7)

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. Press <**Options**> to access the options for setting up an index list.
- **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.
- **Deactivate:** deactivate the CUG function, if the default group is enabled or a CUG index is selected.

Band selection (Menu 9.5.6)

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.

When you select a new band, your phone automatically searches for all available networks. Your phone registers with a preferred network within the band.

Bluetooth (Menu 9.6)

Use this menu to activate the Bluetooth feature.



- You cannot use the Bluetooth feature while using multimedia features such as voice recorder, camera, and MP3 player, or vice versa.
- **Some devices may not be compatible with your phone.**

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 metres. Since the devices communicate using radio waves, they do not need to be in line of sight to each other.

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. ► p. 81
- **My phone's visibility:** allow other Bluetooth devices to search for your phone.
- **My phone's name:** assign a Bluetooth device name to your phone, which is then displayed on other devices.







- **Secure mode:** determine if the phone asks for your confirmation when other devices access your data.
- **Bluetooth services:** display available Bluetooth services.

Searching for and pairing with a Bluetooth device

1. From the Bluetooth setting options, select **My devices**.
2. Select **Search new device**.

If you have searched for devices before, the phone displays **More devices** along with the devices you have searched for previously. To search for new devices, select **More devices**.

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

- | | |
|---|--|
| •  Hands-free or headset | •  Mobile phone |
| •  Computer | •  PDA |
| •  Printer | •  Unknown device |

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

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

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

When the owner of the other device 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

1. From the device list, scroll to a device you want.
2. If your phone didn't find Bluetooth services for the selected device, press **<Select>**.

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



Options may vary depending on the paired device.

- **Connect:** connect to the currently selected device.
- **Disconnect:** end the connection with the device.
- **Browse files:** search for data from the device and import data directly to your phone.
- **Service list:** refresh the Bluetooth service list.
- **Rename:** rename the paired device.
- **Authorise/Unauthorised device:** determine whether or not the phone asks you to permit connection when other devices try to connect to your phone.
- **Delete:** delete the selected device or all devices.

Sending data via Bluetooth

1. Activate the Bluetooth feature.
2. Select the application in which the item you want to send is stored.
3. Scroll to 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.

If an unauthorised Bluetooth device sends data to your phone, the phone displays a confirmation message. To receive data, press **<Yes>**.

Security (Menu 9.7)

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 /PIN 2 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 network operator.

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)

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

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. The password is preset to **00000000**.

Privacy (Menu 9.7.5)

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

When this feature is enabled, you must enter the phone password to access menu functions. The password is preset to **00000000**.

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 Dialing 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. To use this feature, you must enter your PIN2.

Change PIN2 (Menu 9.7.8)

If supported by your SIM card, the change PIN2 feature changes 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 WAP browser or send MMS messages or e-mails.



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

Creating a profile

1. Press <**New**> and specify following information:
 - **Profile name**: enter a profile name.
 - **Home URL**: enter the address of the WAP homepage of your service provider.
 - **Proxy**: activate or deactivate the proxy server. When this option is activated, the **IP address** and **Port** options are activated.
 - **DNS**: activate or deactivate the DNS address. When this option is selected, **DNS1** and **DNS2** are activated.

- **Bearer:** select the network bearer type.
- **Advanced settings:** change the advanced options. Depending on the bearer setting, available options vary.

When the bearer is set to **GPRS**:

APN: enter the access point name.

Login ID: enter the login ID.

Password: enter the login password.

When the bearer is set to **GSM**:

Dial number: enter the PPP phone number.

Login ID: enter the login ID.

Password: enter the login password.

Data call type: select a call type for data transmission.

2. Press **<Save>** to save the profile.

Using profile options


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

- **Edit:** edit the profile.

- **Delete:** delete the profile.
- **Add new connection:** add a new profile.

Reset settings *(Menu 9.9)*

Use this menu to reset the phone settings, display settings, and sound settings individually. You can also reset all the settings in your phone at the same time.

1. Press [] to check the setting category(ies) to be reset.
2. Press **<Reset>** to reset the marked items.
3. Press **<Yes>** to confirm the reset.
4. Enter the phone password and press **<OK>**.

☒ The password is preset to **00000000**. You can change this password ► p. 83

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.

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

Your correspondent cannot reach you

- Be sure that your phone is switched on. ([] pressed for more than one second.)
- Be sure that you 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 “Low battery” flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

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

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

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

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

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

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

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

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

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

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

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

For body operation

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

The minimum distance for this model phone is written in the FCC certification information from the body. Non-compliance with the above conditions may violate FCC RF exposure guidelines.

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

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

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

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

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

Precautions when using batteries

- 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, the type of battery and the 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. Always recycle. Do not dispose of batteries in a fire.

Road safety

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

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

- 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.
- When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
- 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.
- 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.
- Do not take notes or look up phone numbers while driving. Jotting down a To Do list or flipping through your Address Book takes your attention away from your primary responsibility, driving safely.

- 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.
- Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
- Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

- If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or any other special non-emergency wireless number.

Operating environment

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

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

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used

in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.

- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

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

Hearing aids

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

Other medical devices

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

Vehicles

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

Posted facilities

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

Potentially explosive environments

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

Users are advised to switch off the phone while at a 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 the areas below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency calls

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

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

To make an emergency call:

If the phone is not on, switch it on.

1. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
2. 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 end the call until given permission to do so.

Other important safety information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones 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.

Care and maintenance

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

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

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. 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.

Acknowledging Special Precautions and the FCC and Industry Canada Notice

Cautions

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

FCC Compliance Information

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Appendix A: CERTIFICATION INFORMATION (SAR)

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

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

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

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

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

The highest SAR values of this model phone as reported to FCC are Head Max: **0.61 W/Kg**, Body Max: **0.22 W/Kg** for Part 24 GSM 1900 MHz.

Body-worn operations are restricted to Samsung-supplied, approved or none Samsung designated accessories that have no metal and must provide at least 1.5cm separation between the device, including its antenna whether extended or retracted, and the user's body. None compliance to the above restrictions may violate FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID A3LSGHE620.*

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

Appendix B: Guide to Safe and Responsible Wireless Phone Use

Cellular Telecommunications & Internet Association
"Safety is the most important call you will ever make."

A Guide to Safe and Responsible Wireless Phone Use

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

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

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense-keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers.

It requires obeying all traffic signs and signals and staying within the speed limit. It means using seat belts and requiring other passengers to do the same.

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

Wireless Phone “Safety Tips”

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

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands free device. A number of hands free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip-dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix-they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations-with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!

9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless non emergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

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

And, as we take to the roads, we all have a responsibility to drive safely.

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

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

Appendix C: Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. What kinds of phones are the subject of this update?

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

2. Do wireless phones pose a health hazard?

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

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

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

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

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

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

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration
- The National Institutes of Health participates in some interagency working group activities, as well.

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

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

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

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

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

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

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

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

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

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

6. What about children using wireless phones?

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

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

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

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

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

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

9. What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a

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

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

10.What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be pre-disposed to develop

cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

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

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

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the

angle at which the phone is held, or which model of phone is used.

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

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

FCC RF Safety Program:

<http://www.fcc.gov/oet/rfsafety/>

Environmental Protection Agency (EPA):

<http://www.epa.gov/radiation/>

Occupational Safety and Health Administration's (OSHA):

<http://www.osha-slc.gov/SLTC/radiofrequencyradiation/index.html>

National Institute for Occupational Safety and Health (NIOSH):

<http://www.cdc.gov/niosh/emfpg.html>

World health Organization (WHO):

<http://www.who.int/peh-emf/>

International Commission on Non-Ionizing Radiation Protection:

<http://www.icnirp.de>

National Radiation Protection Board (UK):

<http://www.nrpb.org.uk>

Updated 4/3/2002: US Food and Drug Administration

<http://www.fda.gov/cellphones>

STANDARD LIMITED WARRANTY

What is Covered and For How Long? SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone 1 Year

Batteries 1 Year

Leather Case/Pouch 90 Days

Other Phone Accessories 1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage;

(b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases and pouches will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is

longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Liability?

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
WARRANTIES OF TITLE OR NON-INFRINGEMENT;
DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;

THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING

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Samsung Telecommunications America (STA), Inc.

1301 East Lookout Drive

Richardson, TX 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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