Samsung Smartphone

SGH-D730

World Wide Web

http://www.samsungmobile.com

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Important safety precautions

Read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal.

Drive safely at all times

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

Switching off when refuelling

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

Switching off in an aircraft

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

Switching off near all medical equipment

Switch your phone off near medical equipment. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy. Follow any regulations or rules in force.

Interference

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

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 (in a hospital for example).

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 . Give all the necessary information as accurately as possible. Do not end the call until given permission to do so.

Keeping 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.

Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see page 288.

CAUTION
RISK OF EXPLOSION IF A BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

chapter 1

Getting started

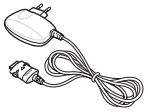
Congratulations on the purchase of your new Smartphone! This chapter helps you set up your phone, charge the phone's batteries, and familiarise yourself with its different components.

What's in the box?

Your package contains the following items:

Phone

Battery



Travel charger

PC link CD* + User's guide CD

Quick reference guide

PC data link cable

* The PC link CD contains PC Suite, Add-on software, and applications.

In addition, you can obtain the following accessories for your phone from your local Samsung dealer:

- Standard battery
- Extended battery
- PC data link cable
- Straight headset
- Car cradle
- Car charger/adapter
- Stylish hands-free and car kit
- Travel charger
- PC link CD
- Hand strap
- Memory card (MMC micro)

Note: The items supplied with your phone and available accessories may be different depending on your country or service provider.

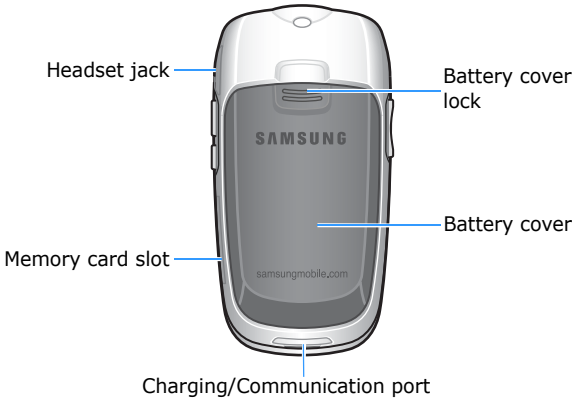
Getting to know your phone

Front View

With the phone open

With the phone closed

Rear view



Key	Description
	Press to open the list of the profiles. Press to select **Switch off!** to switch the phone off without pressing and holding . Press to select **Lock phone** to quickly lock the phone.
	Press and hold to open the **Camera** application. In **Camera**, press to take a picture or to record a video clip.
	Press to adjust the voice volume during a call. In Standby mode, with the phone open, press to adjust all the phone's sounds. With the phone closed, press and hold to activate the external display, or to turn the flashlight on or off when the display is active.
	Press either soft key to perform the command shown on the screen immediately above the keys.
ABC	In Standby mode, press to switch between the Standby screen and Extend view. When entering text, press to change the text input method.
	Press to open the main menu screen, which contains a list of available features and applications.
OK	Press to scroll through items on a screen. Press to move the cursor in a text input field. In Standby mode, press the Down key to open the **Web** application and the other keys to access your favourite applications; you can assign applications to each key according to your preferences.

Key	Description
OK	Press to confirm your selection. The **OK** key is similar to the "Enter" key on a keyboard. In Standby mode, press to open the **Contacts** application.
	Press to: • dial a phone number on the screen. • answer an incoming call. • access call logs. In Standby mode, press and hold to open the **Anyvoice** application.
C	Press to clear one or more characters when you are in a text field. Press to delete contents in any application or remove add-on applications.
	Press to end a call. Press to hide the currently activated application. Press and hold to turn the phone on or off.
1 ~ 0	Press to enter numbers and characters.
* +	Press to enter an international call prefix or pauses when entering a phone number. Press to display a list of symbols when you are in a text input field.
#	Press to change case in a text input field. Press and hold to switch between text and number input modes.

Installing the SIM card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available, and much more.

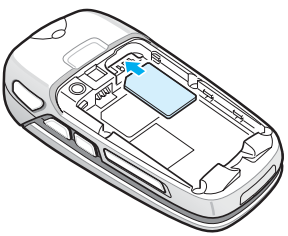
- Keep all SIM cards out of the reach of small children.
- The SIM card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting, or removing the card.
- When installing the SIM card, make sure that your phone is switched off before removing the battery.

A PIN (Personal Identification Number) is supplied with the SIM card from your network operator and must be entered when you switch on your phone for the first time.

Inserting the SIM card

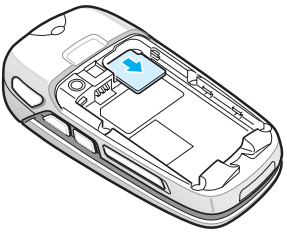
1. If necessary, remove the battery by referring to page 19.

2. Insert and slide the SIM card under the two tabs, as shown, ensuring that the gold-coloured contacts of the card face down into the phone.



Removing the SIM card

To remove the SIM card, slide the card out of the holder, as shown.



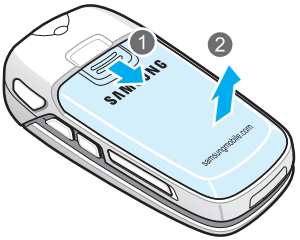
Installing the battery

Your phone is powered by a rechargeable Li-ion battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

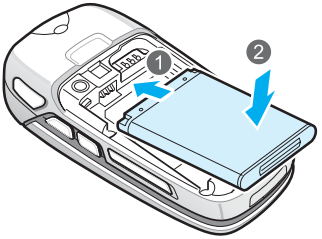
Note: You must fully charge the battery before using your phone for the first time. Fully recharging a discharged standard battery takes approximately 90 minutes.

Installing the battery

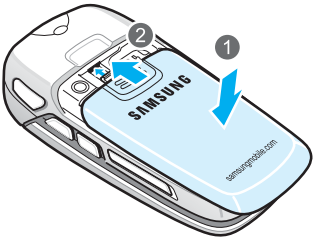
1. Slide down the battery cover and lift it away.



2. Place the battery so that the gold-coloured contacts on the top left side align with the gold-coloured contacts on the top left side of the phone and press the battery until it clicks into place.



3. Slide the battery cover towards the top of the phone until it clicks into place.



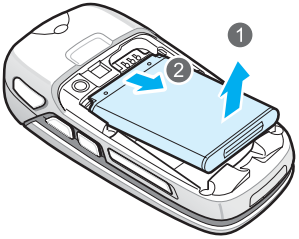
Make sure that the battery cover is securely locked before switching on the phone.

Removing the battery

1. If necessary, switch off the phone by pressing and holding until the power-off image displays.

2. To remove the battery, slide down the battery cover and lift it away.

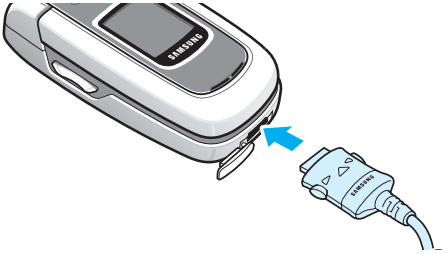
3. Lift away the battery, as shown.



Charging the battery

Note: The phone can be used while the battery is being charged, but this causes the battery to charge more slowly.

1. Plug the connector of the travel charger into the bottom of the phone. Check that the arrow on the connector is facing up.

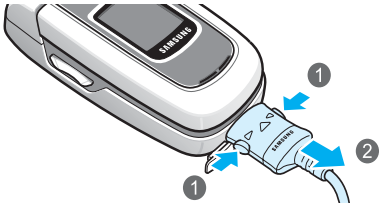


2. Plug the charger into a standard AC wall outlet.

   You can see the LED on the charger indicating the charging progress by the following colours:

   - Red: the phone is being charged.
   - Green: the battery is fully charged.
   - Orange: the phone is not seated correctly in the connector of the travel charger or the travel charger is not plugged in correctly. Check the phone and the charger.

3. When charging is finished, first unplug the charger from the power outlet. Then remove the charger from the phone by pressing the buttons on both sides of the connector and pulling the connector out.



Switching the phone on or off

1. Press and hold ⏻ until the power-on image displays.

   If you turn on the phone for the first time, you need to set current time and date.

2. Enter the current time and press the **OK** soft key.

3. Enter the current date and press the **OK** soft key.

4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key. For further details, see page 249.

5. If the phone asks for a lock code, enter the lock code and press the **OK** soft key. The default lock code is **00000000**. For further details, see page 249.

   The phone searches for your network, and after finding it, the Standby screen appears on the display. Now, you can make or receive a call.

   Note: To change the display language, use the **Phone language** option in the **Settings** menu. For further details, see page 232.

6. To switch off the phone, press and hold until the power-off image displays.

Using an optional memory card

Using a memory card (MMC micro), you can store your multimedia files, such as video clips, sound files, photos, and messaging data, and back up information from your phone's memory.

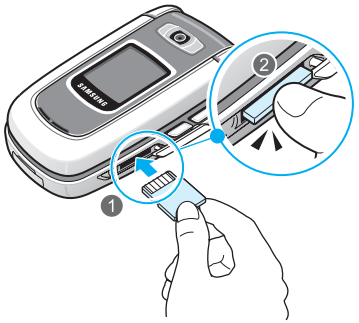
Notes:

- Use only compatible memory cards with your phone. Other memory cards, such as Secure Digital (SD) cards, do not fit in the card slot and are not compatible with your phone. Using an incompatible memory card may damage the card, as well as the phone, and data stored on the card.
- When you insert/remove a locked memory card (indicated as "memory card locked" when you open the **Memory** application), you will not hear the system sound on insertion. Also, you will not hear the system sound and see the note on removal.

To insert a memory card:

1. Insert the card into the memory card slot with the label facing down.

2. Push the card in with your thumb until it locks into place. You will hear the system sound.



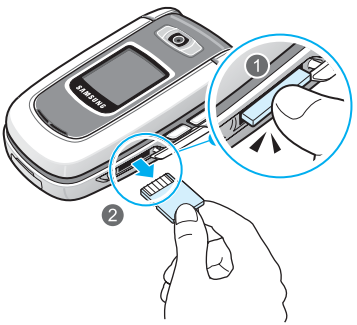
3. Close the card cover so that the phone recognises the installed card.

To remove the memory card:

1. Press and select **Remove mem. card**.

2. When a "Remove memory card and press 'OK'" message appears, press the **OK** soft key.

3. Open the card cover and push the card in and release it. Then slide the card out of the card slot and press the **OK** soft key.



WARNING!

- Removing the memory card without following the procedure above may cause damage to your data and the memory card.
- If you need to reboot the phone while installing an application on the memory card, do not remove the card until the reboot is complete; otherwise the application files may be lost.

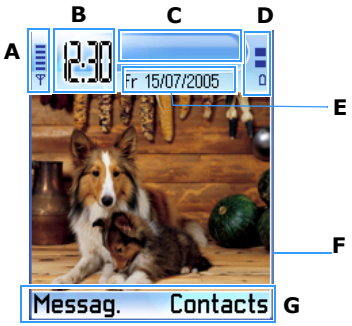
chapter 2

General information

Your phone provides various functions which are very handy for daily use and for entertainment, such as **Camera**, **MP3 Player**, **Messaging**, **Calculator**, and **Calendar**.

Standby mode

The components described below are shown when your phone is ready for use, with no characters keyed in. In this state, the phone is in Standby mode.



A	Shows the signal strength of the cellular network at your current location. The more bars, the stronger the signal. The symbol is replaced with the GPRS symbol [G] when the GPRS connection has been set to **When available** and a connection is available on the network or on the current cell. See "Packet data (general packet radio service, GPRS)" on page 240 and "GPRS" on page 246.
B	Shows an analogue clock or a digital clock. See "Date and time settings" on page 248.
C	Indicates in which cellular network the phone is currently being used.
D	Shows the battery charge level. The more bars, the more power left in the battery.
E	Navigation bar: If the selected profile is **General**, the current date displays instead of the profile name. For further information, see "Navigation bar - moving horizontally" on page 33 and "Profiles" on page 216.
F	Background image: You can select any image to be used as a background image in Standby mode. See page 220.
G	Shows the current shortcuts assigned to the soft keys. You can change soft key shortcuts. See "Standby mode" on page 235.

Indicators related to actions

One or more of the following icons may be shown when the phone is in Standby mode:

Indicator	Meaning
	Indicates that you have received new text or multimedia messages. When the phone's memory capacity is insufficient to store messages or data, this indicator is blinking.
	Indicates that you have received new e-mails.
	Indicates that you have received new chat messages.
	Indicates that you have received voicemail. See "Calling your voicemail server" on page 47.
	Indicates that there are messages waiting to be sent in **Outbox**. See "Outbox" on page 131.
	Indicates that **Ringing type** has been set to **Silent** in the currently active profile. See "Profiles" on page 216.
	Indicates that you have an active alarm.

Indicator	Meaning
	Indicates that all calls to your phone are being diverted. indicates that all calls to the phone are being diverted to a voicemail server. See "Call diverting settings" on page 255. If you have two phone lines, the divert indicator for the first line is and the indicator for the second line is .
	Indicates that you can make calls using phone line 2 only (network service). See “Line in use (network service)” on page 238.
	Indicates a data call.
	Appears instead of the signal strength indicator when there is an active GPRS connection. indicates that the GPRS is ready for the network. indicates that there are multiple GPRS connections. indicates that the GPRS connection is put on hold during a voice call.
	Indicates that a USB connection with a computer is active.
	Appears when a headset is connected to your phone.
	Appears when the Bluetooth feature is activated. For further details, see page 268.

Extend view

You will see the Extend view when you press ABC in Standby mode. On the Extend view, you can see important information, such as messages and e-mails, tasks, and calendar entries, for the day, at a glance.

You can also quickly switch to applications you have recently accessed. Scroll to an application and press OK to open it.

Menu screen

In the Menu, you can access all of the applications for your phone. Press to open the Menu screen.

Opening applications or folders

Scroll to an application or a folder using the Navigation keys and press OK to open it.

Closing applications

Press the **Exit** soft key or select **Options** → **Exit**. You can also backstep by pressing the **Back** soft key as many times as you need to return to Standby mode. Any unsaved data is saved automatically.

If you press , the phone returns to the Standby mode and the application is left open in the background.

Note: Pressing will always end a call, even if another application is active and displayed on the display.

Rearranging applications

You can rearrange applications or folders on the Menu screen, and move applications into folders.

To change the location of an application on the Menu screen:

1. On the Menu screen, scroll to the application you want to move.
2. Select **Options** → **Move**.

   A check mark is placed beside the selected application.
3. Move the selection to the desired location and press the **OK** soft key.

To move an application to a folder:

1. On the Menu screen, scroll to the application you want to move.
2. Select **Options** → **Move to folder**.
3. Select a folder.

Note: You can add a new folder by selecting **Options** → **New folder**.

Switching between applications

If you have several applications open and want to switch from one application to another, press and hold . The application switching window opens, showing a list of applications that are currently open.

Scroll to an application using the Up or Down key, and press the **Select** soft key to go to it or press C to close it.

Note: The Telephone application cannot be closed with C.

Adding applications

You can add more applications to your phone by downloading installation files from the wireless web or by using the **Manager** application.

To download an application, select **Options** → **App. downloads**. You can select a bookmark for a preset website which provides you with a variety of applications available for download, or enter the URL address of the website. After accessing the website, search for an application and follow the onscreen instructions.

For details about installing applications by using the **Manager** application, see page 261.

Onscreen help

Your phone has a help function that you can access from any application which has the **Options** selection. To access the onscreen help, select **Options** → **Help**.

To access a help function for the Menu, press to open the Menu, and then select **Help**.

Navigation bar - moving horizontally

On the navigation bar, you can see:

- editing indicators. See "Entering text" on page 38.
- other information, for example, in **Images**, numbers like **2/4** mean that the current picture is the second of 4 pictures in the folder. Press the Right key to see the next picture.

- small arrows or tabs which tell you if there are more views, folders, or files you can move to. Press the Right or Left key to move to the next or previous views, folders, or files.

Actions common to all applications

Adding items

When you are in an application, select **Options** and then an option for creating a new item, such as **New contact**, **Create message**, **New entry**, or **New note**. Options for creating an item are different in each application.

For information on how to insert text and numbers, see "Entering text" on page 38.

Opening items

When you are viewing a list of files or folders, to open an item, scroll to it and press OK or select **Options** → **Open**.

Editing items

To edit an item, you sometimes need to first open it for viewing and then select **Options** → **Edit**. Then you can change its contents.

Renaming items

To give a new name to a file or folder, scroll to it and select **Options** → **Rename**.

Removing or deleting items

Scroll to the item and select **Options** → **Delete** or press C. To delete multiple items at one time, you first need to mark them. See the next section, "Marking an item."

Marking an item

There are several ways to select items on a list:

- To select one item at a time, scroll to it and select **Options** → **Mark/Unmark** → **Mark**. A check mark is placed next to the item.
- To select all of the items on the list, select **Options** → **Mark/Unmark** → **Mark all**.
- To unmark an item, scroll to it and select **Options** → **Mark/Unmark** → **Unmark**.
- To unmark all of the items, select **Options** → **Mark/Unmark** → **Unmark all**.

Sending items

You can send items, such as contact information, pictures, sounds, and calendar entries, via one of various messaging services or via Bluetooth.

1. Open an item and select **Options** → **Send**.

2. Select a method; the choices are: **Via text message**, **Via multimedia**, **Via e-mail**, or **Via Bluetooth**.
   - If you opt to send the item in a text message, the text message editor screen opens. Enter a phone number in the **To**: field and then select **Options** → **Send**. For details, see page 111.
   - If you opt to send the item in a multimedia message, the Multimedia Slide screen opens. Enter the phone number of the recipient in the **To**: field. Add text and then select **Options** → **Send**. For details, see page 113.
   - If you opt to send the in an e-mail, the E-mail screen opens. Enter the e-mail address of the recipient in the **To**: field. Enter the message subject and add text, picture(s), video file(s), or sound(s), and then select **Options** → **Send**. For details, see page 118.
   - If you opt to send the item via Bluetooth, see page 268.

Arranging items

You can arrange items such as pictures, sounds, and messages, into folders.

Creating folders

To create a new folder, select **Options** → **New folder**. You are asked to name the folder.

Moving items to an application folder

1. Scroll to an item and select **Options** → **Move to folder** (not shown if there are no folders available).

   A list of available folders opens.

2. Select the location to which you want the item moved and press the **OK** soft key.

Searching for items

You can search for a name, file, or folder by using the search field. To search for a file and folder in **File manager**, you need to activate the search field by selecting **Options** → **Find**.

1. Start to enter text in the search field. The phone immediately starts to search for matches and highlights the best match.

   To make the search more accurate, enter more letters. The phone highlights the selection moves to the item that best matches your input.

2. When you find the correct item, press OK to open it.

Volume control

When you have an active call or are listening to a sound, press ⌃/⌄ on the left side of the phone to increase or decrease the volume level, respectively.

Shared memory

Some features in your phone use shared memory: Contacts, text messages, multimedia messages, images and ringtones, camera, RealPlayer™, calendar, to-do notes, and downloaded applications. Using any of these features leaves less memory for other features. This is especially true with heavy use of any of the features. For example, saving many images may use up all of the shared memory and your phone may display that the memory is full. In this case, delete some of the information or items taking up the shared memory.

Entering text

You can enter text in two different ways: using the method traditionally used in mobile phones-pressing a key repeatedly until the desired character displays-or Dictionary, which is a predictive text input mode.

Changing the text input mode

You can change the text input mode by pressing # or ABC, as follows:

Note: In the recipient field of the message screen, you must press ABC first to change text input mode.

- To select the traditional text input mode, press # until the indicator displays on the top right of the screen. Alternatively, press ABC and select **Dictionary** → **Off**.
- To select the Dictionary text input mode, press # until the indicator displays on the top right of the screen. Alternatively, press ABC and select **Dictionary on**.
- To select Number mode, press and hold # until the indicator **123** displays on the top right of the screen. Alternatively, press ABC and select **Number mode**. To return to the previous input mode, press and hold #.

Using traditional text input

Use the keys 2abc to 9wxyz to enter text.

1. Press a number key repeatedly until the desired character appears. Note that there are more characters available for a number key than are printed on the key.

2. Select the other letters in the same way.

Note: If the next letter is located on the same key as the present one, wait until the cursor appears or press the Right key to end the time-out period, and then enter the letter.

Tips for traditional text input

- To change cases, **.Abc** (Initial capital), **ABC** (Capital lock), and **abc** (Lower case), press #.
- To remove a character, press C. Press and hold C to clear more than one character.

- To insert a symbol or punctuation mark, press *+. Alternatively, press ABC and select **Insert symbol**. Use the Navigation keys to scroll through the list and press the **Select** soft key.
- The most common punctuation marks are available under 1. Press 1 repeatedly to reach the desired punctuation mark.
- To insert a number quickly, press and hold the corresponding number key.
- To insert a space, press 0.
- To move the cursor to the next line, press 0 three times. ↵ displays briefly and then the cursor moves.

Using Dictionary

1. Write the desired word by pressing the keys 2abc to 9wxyz. Press each key only once for one letter. The word changes after every key press.

Note: Do not pay attention to what appears on the display. The word match is evolving. Wait until you have entered the whole word before you check the result.

For example, to enter "Hello" when the English Dictionary is selected, press 4ghi for **H**, 3def for **e**, 5jkl for **l**, 5jkl for **l**, and 6mno for **o**.

The word suggestion changes after each keypress.

2. When you have finished the word, check that it is correct.
   - If the word is correct, you can confirm it by pressing the Right key or pressing 0 to insert a space. The underlining disappears and you can begin to enter a new word.
   - If the word is not correct, you have the following options:
     - Press *+ repeatedly to view other matching words the dictionary has found, one by one.
     - Press ABC and select **Dictionary** → **Matches** to view a list of matching words. Select the word you want to use.
   - If the **?** character is shown after word, the word you intended to enter is not in Dictionary. To add a word to Dictionary, press the **Spell** soft key, enter the word (max. 32 letters) using traditional text input, and press the **OK** soft key. The word is added to Dictionary. When Dictionary becomes full, a new word will replace the oldest added word.
   - To remove the character and clear characters one by one from the word, press C.

3. When the correct word displays, press 0 to insert a space, so that the word is complete.

Tips for using Dictionary

- To change cases, **.Abc** (Initial capital), **ABC** (Capital lock), and **abc** (Lower case), press #.
- To remove a character, press C. Press and hold C to clear more than one character.
- To insert a number, press and hold the corresponding number key.
- To insert a symbol or and punctuation marks, press *+ to open a list of symbols and punctuation marks. Alternatively, press ABC and select **Insert symbol**. Use the Navigation keys to scroll through the list and press the **Select** soft key.
- The most common punctuation marks are available under 1. Press 1 and then *+ repeatedly to reach the desired punctuation mark.

Tip: Dictionary tries to guess which commonly used punctuation mark (**. , ? ! ’**) is needed. The order and availability of the punctuation marks depend on the language being used.

- To view matching words the dictionary has found, one by one, press *+ repeatedly when a word is active (underlined).

You can also press ABC, select **Dictionary** and select:

- **Matches** to view a list of words that correspond to your key presses, which is available only if the word is active (underlined). Scroll to the desired word and press OK.

- **Insert word** to add a word (max. 32 letters) to Dictionary by using traditional text input.
  When Dictionary becomes full, a new word will replace the oldest added word.
- **Edit word** to open a view where you can edit the word, which is available only if the word is active (underlined).
- **Off** to deactivate Dictionary.

Editing options

When you press ABC, the following options appear (depending on the text input mode and situation you are in):

- **Dictionary** (predictive text input), **Alpha mode** (traditional text input), **Number mode**.
- **Cut**, **Copy**: available only if text has been selected first. For details, see below.
- **Paste**: available only when text has been either cut or copied to the clipboard.
- **Insert symbol**, and
- **Writing language**: changes the input language for all editors in the phone. See page 232.

Copying text

If you want to copy text to the clipboard, the following are the easiest methods:

1. To select letters and words, press and hold ABC. At the same time, press the Right or Left key. As the selection moves, text is highlighted.

   To select lines of text, press and hold ABC. At the same time, press the Up or Down key.

2. When you have selected the text that you want, stop pressing the Navigation keys.

3. To copy the text to the clipboard, while still holding ABC, press the **Copy** soft key.

   You can also release ABC, press it once to open a list of editing commands, and select **Copy** or **Cut**.

4. To insert the text into a document, while holding ABC, press the **Paste** soft key.

   You can also press ABC and select **Paste**.

chapter 3

Call functions

This chapter gives you information for using your phone's call functions.

Making a call

1. In Standby mode, use the keypad to enter an area code and phone number.

   Press C to remove a number.

   For international calls, press *+ twice for the international prefix (the **+** character replaces the international access code) and then enter the country code, area code without **0**, and phone number.

   Note: Calls described here as international may in some cases be made between regions of the same nation.

2. Press to call the number.

   Note: To adjust the volume during a call, press .

3. To end the call, press or close the phone. You can also use the **End call** soft key.

   Note: Pressing will always end a call, even if another application is active and displayed.

Accessing dialling options

After entering a number, press the **Options** soft key. You can access the following options:

- **Add to Contacts**: adds the number to the Contacts directory. Select **Create new** to create a new contact or **Update existing** to add information to an existing contact. For details about the **Contacts** application, see page 57.
- **Call**: dials the number.
- **Send**: sends a text or multimedia message to the number.

Making a call using Contacts

1. To open the **Contacts** application, press the **Contacts** soft key in Standby mode.

   You can also press to open the Menu and then select **Contacts**.

2. Scroll to the name you want.

   Alternatively, enter the first few letters of the name in the search field at the bottom of the screen. Matching contacts are listed.

3. Press or select **Options** → **Call** to start the call.

   If the contact has more than one phone number, scroll to the number you want and press or the **Call** soft key to start the call.

Making a call using name dialling

You can make a phone call by saying the name that has been assigned to a contact card in the Contacts directory. For details, see “Name dialling” on page 165.

Note: To use the Name Dial feature, the name and number that you want to dial must be in your Contacts directory. For details about the **Contacts** application, see page 57.

Calling your voicemail server

The voicemail server is a network service which acts as an answering machine where callers who are unable to reach you can leave voice messages.

To call your voicemail server, press and hold 1 in Standby mode.

If the phone asks for the voicemail server number, enter it and press the **OK** soft key. You can obtain this number from your service provider.

Each phone line may have its own voicemail server number. See “Line in use (network service)” on page 238.

Changing the voicemail server number

To change the phone number of your voicemail server, press to open the Menu, and then select **Tools** → **Voice mail** → **Options** → **Change number**. Enter the new number and press the **OK** soft key.

Speed dialling a phone number

Once you have stored a number in **Contacts**, you can assign the most frequently-used numbers to the speed dialling keys 2abc to 9wxyz and quickly and easily dial them with only one keypress. See "Assigning speed dialling keys" on page 62.

- In Standby mode, press the corresponding speed dialling key and .
- If the **Speed dialling** function is set to **On** (see page 237), press and hold the corresponding speed dialling key until the call is started.

To view the speed dialling assignments, press to open the Menu, and then select **Tools** → **Speed dial**.

Dialling using a pause

When you call an automated system, like a banking service, you are required to enter a password or an account number. Instead of manually entering the numbers each time, you can enter the necessary DTMF tones separated by pauses before dialling.

Note: DTMF tones are the tones you hear when you press the number keys. DTMF tones allow you to communicate with computerised telephone systems, for example, voicemail servers or telebanking systems.

1. Enter the phone number you want to dial, such as a bank's teleservice number.

2. Press repeatedly to insert a pause.

   You can insert two types of pauses:

   - **p**: inserts a pause of approximately two seconds between numbers. The numbers following "p" are sent automatically.
   - **w**: if you use a pause of this type, the remaining sequence is not sent until you press .

3. Enter a number to be sent after the pause, such as your account number, PIN, etc.

4. Repeat steps 2 and 3 to add more pauses and numbers, if necessary.

5. Press to make a call.

6. After connecting, wait for a prompt from the system, and then press at each prompt, if applicable.

   The DTMF tones are sent.

Answering a call

1. To answer an incoming call, open the phone if necessary, and press or select **Options** → **Answer**.
   - To reject a call, press . The caller will hear a "line busy" tone.

   Note: If you have activated the **Tools** → **Settings** → **Call divert** → **If busy** function to divert calls, for example, to your voicemail server, rejecting an incoming call will also divert the call. See "Call diverting settings" on page 255.

   - To quickly mute the call ringer, press the **Silence** soft key.

   Note: If the Silent profile is active (see page 216), **Reject** displays in place of **Silence** to allows you to reject a call.

   - Depending on the **Side key** setting, press and hold / to mute the call ringer or reject an incoming call. See page 238.
   - To adjust the phone tones for different environments and situations, for example, when you want your phone to be silent, see "Profiles" on page 216.

2. To end the call, press or close the phone.

Using options during a call

While a call is in progress, you can access the following options by pressing the **Options** soft key.

Note: Depending on the status of your call, for example, having a second call or a call on hold, available options vary.

- **Swap**: switches between the active call and the call on hold.
- **End active call**: ends the active call.
- **End all calls**: ends all calls.
- **Hold**: puts the current call on hold.
- **Unhold**: reactivates the call on hold.
- **Mute**: switches your phone's microphone off so that the other person on the phone cannot hear you.
- **Unmute**: switches your phone's microphone on.
- **Mute key**: switches the key tones off.
- **Send key**: switches the key tones on.
- **New call**: makes a new call. When you select this option, the current call is placed on hold.
- **Conference**: makes a conference call. You can have a conversation with up to 5 participants.
  - **Private**: (shown when you have a conference call) Use to talk privately to a person during a conference call. When the list of call participants appears, select one and press the **Private** soft key.

- **Drop participant**: (shown when you have a conference call) Use to disconnect a person during a conference call. When the list of call participants appears, select one and press the **Drop** soft key.

- **Transfer**: connects an incoming call or a call on hold with an active call and disconnects you from both calls.
- **Send DTMF**: sends DTMF tones for numbers, such as passwords or bank account numbers. You can check or correct the numbers before sending.
- **Help**: shows the help information on the options available during a call.

Viewing the Log

In the **Log** application, you can monitor phone calls, text message call duration, packet data connections, and data calls registered by the phone. You can filter the log to view just one type of event and create new contact cards based on the log information.

Press to open the Menu, and then select **Log**.

Recent calls

The phone registers the phone numbers of missed, received, and dialled calls. The phone registers missed and received calls only if the network supports these functions.

Press in Standby mode or press to open the Menu, and then select **Log** → **Recent calls**.

Missed calls and received calls

These network services allow you to view the 20 most recent calls you have missed and calls you have accepted. To view the 20 most recent missed calls' originating phone numbers, select **Log** → **Recent calls** → **Missed calls**.

When you see a note about missed calls in Standby mode, press the **Show** soft key to access the list of missed calls. To call back, scroll to the number or name you want and press .

To view a list of the 20 numbers or names from which you have most recently accepted calls, select **Log** → **Recent calls** → **Received calls**.

Dialled calls

To view the 20 phone numbers that you have most recently called or attempted to call, select **Log** → **Recent calls** → **Dialled calls**.

You can also press in Standby mode to quickly open the Dialled calls list.

Erasing recent call logs

- To clear all recent call logs, select **Options** → **Clear recent calls** on the Recent calls screen.
- To clear the selected call type's logs, open the call type whose contents you want to erase and select **Options** → **Clear list**.
- To clear an individual call log, open a log type, scroll to the log, and press or select **Options** → **Delete**.

Call duration

Press to open the Menu, and then select **Log** → **Call duration** to view the duration of the last call, dialled and received calls, and total calls.

Note: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

Erasing call duration timers

On the Call duration screen, scroll to the call duration type you want to erase and select **Options** → **Clear timers**. For this, you need to enter the lock code. The default lock code is **00000000**. See "Security settings" on page 249.

Tip: If you have subscribed to two phone lines, you can filter the log to view the call duration for only one line. Select **Options** → **Filter timers** → **Line1** or **Line2**.

GPRS counter

You can check how much data, measured in bytes, has been transferred to and from your phone.

The display shows the counters for all sent and received data, separately.

To reset the counters, select **Options** → **Clear counters**. For this, you need to enter a lock code. The default lock code is **00000000**.

Viewing the general log

In the general log, for each communication event, you can see the sender or recipient's name or phone number.

Press to open the Menu, and then select **Log** and press the Right key.

Note: Sub-events, such as a text message sent in more than one part and packet data connections, are logged as one communication event.

You can also view each communication event in details. Scroll to an event and press OK or select **Options** → **View details**.

Filtering the log

By selecting a filter, you can display only log items of the specified type.

1. Select **Options** → **Filter**. A list of filters opens.

2. Select a filter.

Erasing the contents of the log

To erase all the log contents permanently, select **Options** → **Clear log**.

Log settings

Select **Options** → **Settings**. The list of settings opens.

- **Log duration**: The log events remain in the phone's memory for a set number of days, after which they are automatically erased to free up memory.

  If you select **No log**, all of the log contents, Recent calls log, and Message delivery reports are permanently deleted.

- **Show call duration**: When this option is set to **Yes**, you will see the call duration timer on the display while you have an active call.

  If you select **No**, the call duration timer is hidden from the main display. The external display still shows the timer.

chapter 4

Contacts

In **Contacts**, you can store and manage a person's contact information, such as a name, phone numbers, and addresses, as a contact card.

Press to open the Menu, and then select **Contacts**.

You can also press the **Contacts** soft key in Standby mode.

You can add a personal ringtone or a thumbnail image to a contact card. You can create contact groups.

Creating contact cards

You can create contact cards and save them selectively in your phone's memory or the SIM card.

Creating a new contact card in the phone's memory

1. Open **Contacts** and select **Options** → **New contact**. An empty contact card opens.

2. Fill in the fields you want and press the **Done** soft key. The contact card is saved and closed, after which you can see it in **Contacts**.

Note: On the Contacts list, a contact's last name will display first by default. You can set the Contacts list to display the first name first by selecting **Options** → **Settings**.

Creating a contact card on the SIM card

1. Open **Contacts** and select **Options** → **SIM directory**.
2. On the SIM directory screen, select **Options** → **New SIM contact**.
3. Enter a name and a phone number in each field.
4. Press the **Done** soft key.

Note: Once you have stored numbers on the SIM card, you can retrieve them by entering their location numbers, which are automatically assigned in the order in which the numbers are stored, and pressing #. For example, pressing 1 and then # in Standby mode shows the first number stored in the SIM directory. You can then dial the number.

Assigning own number

You can register the phone number and name on the SIM card as the own number.

1. Open **Contacts** and select **Options** → **SIM directory**.
2. On the SIM directory screen, select **Options** → **My numbers**.
3. Select the field you want to save.
4. Enter the name and phone number.
5. Press the **Done** soft key.

Copying contacts

- To copy contacts from the SIM card to your phone's memory, go to **Contacts** and select **Options** → **SIM directory**. Scroll to the contact you want to copy and select **Options** → **Copy to Contacts**.
- To copy contacts from the phone's memory to your SIM card, go to **Contacts**, scroll to the contact you want and select **Options** → **Copy to SIM direct.**.Then select the number type you want to copy. If you want to copy all contact information, select **All**.

Options when viewing contacts

To view details of a contact card, select the card from the Contacts list.

Contact information view ( ) shows all information on the contact card. If you added an image to the contact card, the thumbnail image displays on the top left of the screen. The name field is always displayed in the contact information view, but other fields are only displayed if they contain information. The icon on the right side of a number indicates the number assigned to the speed dial number.

Note: Only fields that have information are displayed in the contact information view. Select **Options** → **Edit** → **Options** → **Add detail** if you want to add more data to the contact card.

Changing contact information

1. On the Contacts list, select the contact card you want to edit.

2. To change the information on the contact card, select **Options** → **Edit**.

3. To save your changes and to return to the Contacts list, press the **Done** soft key.

Managing contact information

You can add input fields to the contact card to store more information about a person, or alternatively remove fields.

1. Open a contact card and select **Options** → **Edit**.

2. To add an extra field, select **Options** → **Add detail**.

   To delete a field you do not need, select **Options** → **Delete detail**.

   To rename the label of a contact card field, select **Options** → **Edit label**.

3. When you have finished, press the **Done** soft key.

Adding a picture to a contact card

You can add a caller ID image to a contact card as a thumbnail image. See “Camera” on page 69 for more information on how to take and store pictures.

1. Open a contact card and select **Options** → **Edit**.
2. Select **Options** → **Add thumbnail**.
3. If you use the memory card, select the memory where the image files you want are saved.
4. Select an image from the **Images** folder or one of the other folders where the image files you want are saved. The selected thumbnail image will be shown when the contact is calling you.

You can select **Add thumbnail** to replace the image with a different thumbnail or **Remove thumbnail** to remove the thumbnail from the contact card.

Assigning default numbers and addresses

If a person has several phone numbers or e-mail addresses, to speed up calling and sending messages, you can define the default number and address.

Open a contact card and select **Options** → **Defaults**. A pop-up window opens, listing the different options.

For example, scroll to **Phone number** and press the **Assign** soft key. A list of phone numbers in the selected contact card is shown. Select the one you want to use as the default. When you return to the contact card view, you will see the default number underlined.

Assigning speed dialling keys

Speed dialling is a quick way to call frequently-used numbers. You can assign eight phone numbers to speed dialling keys 2abc to 9wxyz. Number **1** is reserved for the voicemail server.

1. Open the contact card.

2. Scroll to the phone number you want and select **Options** → **Assign speed dial**.

   The speed dialling grid opens, showing you the numbers from **2** to **9**.

3. Scroll to a location and press the **Assign** soft key.

   When you return to the contact information view, you will see the speed dial icon on the right side of the number.

To call the number by speed dialling, go to Standby mode, make sure that the speed dialling setting is activated (see page 237), and press and hold the appropriate speed dialling key.

Adding a ringtone for a contact card or group

You can set a ringtone for each contact card and group. When a person calls you, the phone plays the chosen ringtone if the person's contact information is saved in Contacts.

1. Open a contact card, or go to the group list and scroll to a contact group.
2. Select **Options** → **Ringing tone**. A list of ringtones opens.
3. Select the ringtone you wish to use for the contact or group.

To remove the ringtone, select **Default tone** from the list of ringtones.

Note: For an individual contact, the phone always uses the ringtone that was assigned last. If you first change a group ringtone and then the ringtone of a single contact that belongs to that group, the ringtone of the single contact is used the next time the contact calls you.

Sending contact information

You can send contact information via text and multimedia messages, e-mail services, and via Bluetooth. For details, see page 35.

When you send or receive contact information, the term “business card” is used. A business card is a contact card in a format suitable to be sent in a message, usually in vCard format.

Subscribed contacts

You can create a list for contacts whose presence status you want to be aware of (network service). You can view the contact’s presence information if they allow you to view it and if it is not prevented by the network. You can view the subscribed contacts either by scrolling through the contacts or accessing the subscribed contacts list.

To connect to the Presence service, press to open the Menu, and then select **Presence**. You can also view subscribed contacts when you are not connected to the Presence service, but you cannot see the presence status of the contact.

Adding contacts to the subscribed contacts

1. On the Contacts list, press the Right key once.

2. If you have no contacts on your list, select **Options** → **Subscribe new**. The list of contacts is shown.

   If you have not connected to the Presence service, the phone asks if you want to connect now. Select the **Yes** soft key.

3. Select a contact from the list and if the contact has an ID saved, the contact is added to the subscribed contacts list. If there is more than one ID, select one of them.

   After subscription to the contact, "Subscription activated" is shown.

Viewing subscribed contacts

See also "Viewing the presence of others" on page 230 to view the presence information.

1. On the Contacts list, press the Right key once.

   The status information of the first contact on the subscribed contacts list is shown and it may include text and one or more of the following icons:

   , , or indicates that the person is either available, busy, or not available.

   indicates that the person's presence information is not available.

2. Scroll to the desired contact and press OK or select **Options** → **Open** to view the details of the selected contact.

3. If you press the **Options** soft key, you can select:
   - **Open** to view the details of the contact.
   - **Call** to make a call.
   - **Create message** to send a text message to the selected contact.
   - **Switch tracking on/off** to activate or deactivate the tracking for the contact's presence status. When the tracking is activated, appears on the list, and you will be notified if the presence status of the contact changes. appears when the tracking is deactivated.
   - **Open conversation** to start a chat conversation.
   - **Unsubscribe** to remove the selected contact from the list of subscribed contacts.
   - **Subscribe new** to add a new contact to the list of subscribed contacts.
   - **My presence** to view my presence status.

Unsubscribing a contact

1. On the Contacts list, press the Right key once.
2. Select the contact to subscribe and select **Options** → **Unsubscribe**.
3. If you are not logged into the Presence service, press the **Yes** soft key to log in.
4. Press the **Yes** soft key to confirm.

Contact groups

You can create contact groups, which can, for example, be used as distribution lists for sending text messages and e-mails.

Creating contact groups

1. On the Contacts list, press the Right key twice to open the group list.

2. Select **Options** → **New group**.

3. Enter a name for the group and press the **OK** soft key.

Adding members to a group

To add a contact to a group:

1. On the Contacts list, scroll to the contact you want to add to a group and select **Options** → **Add to group**. A list of available groups opens.

2. Scroll to the group to which you want to add the contact and press the **Add** soft key.

To add multiple members at one time:

1. On the groups list, open a group and select **Options** → **Add members**.

2. Scroll to a contact and press OK to mark it. Repeat this action for all the contacts you want to add.

3. When you have finished, press the **OK** soft key.

Removing members from a group

1. On the group list, select the group you want to modify.

2. Scroll to the contact you want to remove and select **Options** → **Remove from group**.

3. When a confirmation message displays, press the **Yes** soft key to remove the contact from the group.

chapter 5

Entertainment

This chapter provides you with information about applications in which you can enjoy the use of multimedia files, such as **Camera**, **MP3 Player**, **RealPlayer**, **Gallery**, **ImageCook**, and **Game**.

Camera

Using **Camera**, you can take pictures of people or events while on the move.

You can also record video clips with sound.

Taking pictures

The camera produces JPEG pictures. JPEG is a standardised image compression format. JPEG files can be viewed with most common image viewers, image editors, and Internet browsers. You can recognise these files by their JPG extensions.

Important:
- Do not take pictures of people without their permission.
- Do not take pictures in places where cameras are not allowed.
- Do not take pictures in places where it may interfere with another person's privacy.

To take a picture with the phone open:

1. In Standby mode, press and hold on the right side of the phone. You can also press to open the Menu, and then select **Camera**.

   The Camera application opens and the view to be captured on the Image screen displays.

Indicates the camera mode, camera settings, and the memory being used.

2. Locate the image you want by moving the phone and aiming the camera lens to the subject.

   To zoom in on your subject before taking the picture, press the Up key.

   To zoom out, press the Down key.

   To show the mirror image, press .

   Use the following keypad to change the camera setting options:

   - : Turn the flash on or off.
   - : Activate or deactivate Night mode.
   - : Select the memory where the picture is saved to.

- 4 ghi : Adjust the brightness of the image.
- 5 jkl : Select the white balance mode.

3. When the image you want to capture appears on the screen, press OK or or select **Options** → **Capture**.

   Do not move the phone before the camera starts to save the picture. The picture is saved to either the phone's memory or the memory card, depending on the setting of **Memory in use**. See page 74.

After the picture has been saved:

- To access previously saved pictures, go to the **Images** folder in **Gallery** by selecting **Options** → **Go to Gallery**. See page 90.
- To change the name of the picture, select **Options** → **Rename**.
- To set the picture as the wallpaper for Standby mode, select **Options** → **Set as wallpaper**.
- To return to the Image screen to take a new picture, press OK or the **Back** soft key.

Notes:

- Camera goes into Battery Saving mode, displaying "Camera on standby," if there have been no key presses within 2 minutes. To continue taking pictures, press OK.
- The resolution of a digitally zoomed picture is lower than that of a non-zoomed picture, but the image remains the same size. You may notice the difference in image quality if you view the picture on a computer.

To take a picture with the phone closed:

1. When the phone is closed, press and hold on the right side of the phone.

   The image to be captured displays on the external display.

2. Locate the image you want by moving the phone and aiming the camera lens to the subject.

   To show the mirror image, press .

3. Press to take the picture.

   The picture is saved to either the phone's memory or the memory card, depending on the setting of **Memory in use**. See page 74.

Using the self-timer

You can set the camera to take a picture automatically after a predefined time.

1. Select **Options** → **Self-timer**.

2. Select a time delay from **5 seconds**, **10 seconds**, or **15 seconds**.

   The icon and the timer appear on the top right of the screen.

3. Press the **Activate** soft key or OK to take a picture. The timer counts down and the camera will take a picture after the selected delay.

Using Night mode

When the lighting is dim and the camera needs a longer exposure time for the picture to be of good quality, you can use Night mode.

To activate Night mode, select **Options** → **Activate night mode**.

To deactivate Night mode, select **Options** → **Deact. night mode**.

Changing camera options

You can adjust the image quality, resolution, brightness, and flash setting and change the default image name and the memory location of saved images. These settings will be applied to all subsequent pictures that you take.

On the Image screen, press the **Options** soft key to access the following options:

- **Flash on/off**: Turn on or off the flash on the right side of the camera. The flash will light when you press OK or to take a picture.
- **Adjust**: Adjust the image brightness and white balance.
  - **Brightness**: Select the brightness of image by pressing the Left or Right key.
  - **White balance**: Change the white balance setting based on the lighting conditions.
- **Mirror**: Select whether or not the phone shows the mirror image.

- **Settings**: Change the other settings for taking a picture.
  - **Image quality**: Select an image quality. The better the image quality, the more memory the image consumes.
  - **Image resolution**: Select an image size. The image size is dictated by the resolution. Resolution is a measure of the sharpness and clarity of an image. Resolution is usually measured in pixels, for example, 640 x 480 = 300 kilopixels. The more pixels there are, the more detailed the picture is.
  - **Default image name**: By default, the camera names pictures in the format Image.jpg. **Default image name** allows you to set a name for the pictures taken. For example, if you set “beach” as the default image name, **Camera** will name all the pictures you take “beach”, “beach (001)”, “beach (002)”, and so on, until you change the setting again.
  - **Memory in use**: Select whether you want to store your images in the phone’s memory or on the memory card, if you use one.
  - **Light metering mode**: Select your preferred light metering system. Light metering provides better exposure balance in your images. Select from **Center weighted** or **Matrix**. If you select **Center weighted**, it measures light in the entire frame, but emphasizes the weight in the centre of the frame. Use **Matrix** for general shooting.

- **Sensitivity**: Select the ISO setting, which controls the sensitivity of your camera. For low light situations, lower the number to increase the quality. The higher the number, the faster the camera shutter functions and the more sensitive the camera is to light. Higher ISO settings may bring some distortion to an image.

Recording video clips

You can record video clips. Recorded video clips are in 3GP format, which is the standard video file format for multimedia messaging.

1. In the Image screen, press the Right key. The Video screen displays.

Indicates the video mode, video settings, and the memory being used.

To zoom in or out on your subject, press the Up or Down key.

Use the following keypad to change the camera setting options:

- 1: Mute or unmute the audio.
- 2abc: Activate or deactivate Night mode.
- 3def: Select the memory where the video clip is saved to.
- 4ghi: Adjust the brightness of the image.
- 5jkl: Select the white balance mode.

2. To start recording, press OK or or select **Options** → **Record**. The timer on the top right of the screen shows you the elapsed time.

3. To pause recording at any time, press the **Pause** soft key or OK.

   To resume, press the **Continue** soft key or OK.

4. To stop recording before the maximum recording time is up, press the **Stop** soft key.

   After the video has been saved, you will see the recording time on the top right of the still image. The video clip is saved to either the phone's memory or on the memory card, depending on the setting of **Memory in use**. See page 78.

After the video clip has been saved:

- To immediately play the video clip you just recorded, select **Options** → **Play**.

- To access previously saved video clips, go to the **Video clips** folder in **Gallery** by selecting **Options** → **Go to Gallery**. See page 90.
- To change the name of the video clip, select **Options** → **Rename**.
- To return to the Video screen to record a new video clip, press OK or the **Back** soft key.

Activating Night mode

When the lighting is dim and the camera needs a longer exposure time for the video to be of good quality, activate Night mode. Select **Options** → **Activate night mode**.

To deactivate Night mode, select **Options** → **Deact. night mode**.

Muting sound

If you don't want to record sound with the video, select **Options** → **Mute**. To deactivate Mute mode, select **Options** → **Unmute**.

Changing video options

You can adjust recording time, resolution, and brightness and change the default name and the memory location of saved video clips. On the Video screen, press the **Options** soft key to access the following options:

- **Adjust**: Adjust the brightness, and white balance for the video image.
  - **Brightness**: Select the brightness of image by pressing the Left or Right key.
  - **White balance**: Change the white balance setting based on the lighting conditions.
- **Mirror**: Select whether the phone shows the mirror image or not.
- **Settings**: Change the other settings for recording a video clip.
  - **Length**: Select the recording time limit. If you select **Short**, the phone records a video of up to 100KB or 300 KB, which is the limit for sending an MMS message. If you select **Maximum**, the phone records a video to the limit of the memory remaining.
  - **Video resolution**: Select the image size from **352x288**, **176x144** or **128x96.** (**352x288:** Video quality cannot be quaranteed for fast motion).
  - **Default video name**: Define the default name of your video clips. For example, if you set “Holiday” as the default video clip name, Camcorder will name all of the video clips you take “Holiday,” “Holiday(001),” “Holiday(002),” and so on, until you change the setting again.
  - **Memory in use**: Select the default memory location for saving video clips.

MP3 Player

Using **MP3 Player**, you can play MP3 music files. You can download MP3 files from the Internet or transfer ones from a computer. All of the MP3 files in the phone's memory or on the memory card are automatically added to the MP3 file list.

Playing MP3 files

1. Press to open the Menu, and then select **MP3 Play...**.

   The MP3 Player screen opens.

2. Press OK to play the first MP3 file stored in the play list.

3. While playing music files:
   - To adjust the volume, press / or the Up or Down key.
   - To pause playback, select .
   - To resume playback, select .
   - To skip to the previous or next file in the play list, select or .
   - To repeat all of the MP3 files in the play list, select .
   - To view details about the current file, such as the file name, size, date received, and the file format, select **Options** → **View details**.

Using the MP3 play list

Before using **MP3 Player**, first add the MP3 files from the MP3 file list to the play list. For details on how to add the files to the play list, see page 81.

1. On the MP3 Player screen, select **Options** → **Go to play list**. The play list displays.

2. On the play list:
   - To play a file, select the file you want.
   - To open the MP3 Player screen, press the **Player** soft key.
   - To change the file order in the list, select **Options** → **List move up** or **List move down**.
   - To remove a file from the list, scroll to the file and select **Options** → **Delete**.

- To remove all of the files from the list, select **Options** → **Delete all**.
- To access the file details, such as the name, size and format of the file, scroll to the file and select **Options** → **View details**.

Using the MP3 file list

All MP3 files are automatically added to the MP3 file list, regardless of where they are stored. On the MP3 file list, you can add MP3 files to the play list and delete files permanently.

Adding MP3 files to the play list

1. Select **Options** → **Go to file list**.

   All MP3 files in the phone's memory and on the memory card, if you use one, display.

   You can view indicators, telling you the memory where the file is stored, next to the file name (for the phone's memory and for the memory card).

Note: When you save MP3 files in your phone's memory, the **C** directory, you need to copy them to the **Nokia** folder to let them display on the MP3 file list.

2. On the file list:
   - To add a file to the play list, scroll to the file you want and press *+. A check mark displays beside the selected file.
   - To add all of the MP3 files to the play list, select **Options** → **Mark all**.
3. To go to the MP3 Player screen, press OK or the **Player** soft key. The checked files are added to the play list.

Changing MP3 Player settings

On the MP3 Player screen, select **Options** → **Settings**. You can set the following options:

- **Auto start**: Choose **On** to automatically start playing files without having to press ▶ each time you open MP3 Player.
- **Repeat**: Choose **On** to repeat all files in order.
- **Shuffle**: Choose **On** to play the files in random.
- **Equalizer**: Set the equalizer to the genre you want.
- **Quick play**: Choose **On** to play the files without adding the files to the play list.
- **Background**: Set the MP3 Player screen to display the image pattern or to show you song lyrics, if supported, while playing files.

RealPlayer

With **RealPlayer**, you can play media files, such as music files, video files, sound files, and stream live content from the Internet, stored in the phone's memory or on the memory card, if you use one.

Files with extensions .3gp, .mp3, .mp4, .amr, .rm, .ram, .ra, and .rv are supported by **RealPlayer**.

Press to open the Menu, and then select **RealPlayer**.

Playing media files

You can play any music or video file from the list shown when you start **RealPlayer**, or play a file directly from the Internet.

Playing media files from the phone's memory or the memory card

1. Select **Options** → **Open** and select:
   - **Most recent clips** to play one of the 6 most recent files played in RealPlayer. Select a file from the list.
   - **Saved clip** to play a file saved in the phone's memory or on the memory card, if available. Select a memory and then select a file from the memory directory.
   - **Mem. card sound clips** to play sound files saved on the memory card. Enter a track list name and press the **OK** soft key. A new track list is created and all of the sound files are retrieved from the memory card. This option is only available when a memory card is inserted into the phone.

2. Use the following options during playback:

   If you are playing a video file:

- To adjust the volume, press / or the Left or Right key.
- To move backward or forward through a file, press and hold the Up or Down key.
- To pause playback, press the **Pause** soft key.
- To resume playback, select **Options** → **Continue**.
- To stop playback, press the **Stop** soft key.

If you are playing a sound file:

- To adjust the volume, press / or the Left or Right key.
- To pause playback, select .
- To resume playback, select .
- To skip to the previous or next file, select or .
- To move backward or forward through a file, select or . The player moves by 5-second increments.

- To stop playback, select ■ or press the **Stop** soft key.

If you are playing an MP3 file, see page 79.

Playing stream live content from the Internet

1. Select a streaming link from the web browser or a file containing the address for the streaming content.

   The display shows a confirmation message for connecting to the server.

2. Press the **Yes** soft key to confirm.

Notes:
- You cannot connect to a site unless you have configured an access point. See page 241.
- Many service providers will require you to use an Internet access point (IAP) for your default access point. Other service providers allow you to use a WAP access point. Contact your service provider for more information.
- In RealPlayer, you can only open an rtsp:// URL address. You cannot open an http:// URL address. However, RealPlayer will recognise an http link to a .ram file since a .ram file is a text file containing an rtsp link.

3. Once you are connected to the server, playback begins with buffering of the streaming content.
   - To adjust the volume, press the Left or Right key.
   - To pause playback, press the **Pause** soft key.
   - To resume playback, select **Options** → **Continue**.
   - To stop playback, press the **Stop** soft key.

Using a track list

You can make your own track list.

Creating a track list

1. On the RealPlayer main screen, select **Options** → **New track list**.
2. Select a folder or site and then the directory to which you want to save the track list.

   If you use the memory card, first select the memory.
3. Enter a list name and press the **OK** soft key.
4. Select a folder from which you want to retrieve files and then select a file from the directory.

   If you use the memory card, first select the memory.

   Once a file is selected, the Music player opens.
5. To add more files, select **Options** → **Edit track list**.
6. Select **Options** → **Add sound clip** and then select a memory (if you use one), a folder, and then a file.
7. Repeat step 6 until you have finished adding files.
8. Press the **Back** soft key and then the **Yes** soft key to save the changes.

Playing files on a track list

1. On the RealPlayer main screen, select **Options** → **Open** → **Saved clip**.

2. Select a folder where the list you want is stored and search for the list.

   If you use the memory card, first select the memory.

3. When you find the list you want, press OK or the **Select** soft key.

   The Music player opens and the first file begins playing.

Editing a track list

1. While playing files on a track list, select **Options** → **Edit track list**. The track list opens.

2. Press the **Options** soft key and select:
   - **Add sound clip** to add more sound files to the list.
   - **Delete** to remove the currently selected file from the list.
   - **Move** to change the file order. A check mark is placed to the right of the file. Move the selection to the place you want and press the **OK** soft key to move the file.

3. Press the **Back** soft key and then the **Yes** soft key to save the changes.

Viewing clip details

You can view the file details, such as the name, format, duration, file size, and the time and date when the file was saved. Access a file and select **Options** → **Clip details**.

Sending media files

You can send media files via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

Changing RealPlayer settings

When you select one of the settings, a tab view is opened. Press the Right or Left key to move between the different setting tabs.

To change the video file settings, select **Options** → **Settings** → **Video** to open the following list of settings:

- **Contrast**: Adjust the brightness of video clips by pressing the Left or Right key.
- **Repeat**: Choose **On** to play the currently playing video file repeatedly.

To change the sound file settings, select **Options** → **Settings** → **Audio** to open the following list of settings:

- **Repeat**: Choose **On** to play the currently playing sound file repeatedly.
- **Random play**: Choose **On** to play sound files in random.

To change the connection settings for accessing video streaming services, select **Options** → **Settings** → **Connection** to open the following list of settings:

- **Proxy**: Choose whether or not a proxy is used. If you want to use a proxy server, specify the following entries:
  - **Proxy serv. address**: Enter a proxy server address.
  - **Proxy port number**: Enter a proxy server port.
- **Network**: Change items from the following list of network settings:
  - **Default access point**: Enter the default access point.
  - **Online time**: Select the length of time **RealPlayer** stays online when inactive. After the specified period of inactivity, RealPlayer will disconnect from the server.
  - **Connection time-out**: Select the time **RealPlayer** waits for a response from the network to connect to a corresponding server when you select a link. If there is no response within the specified period of time, the connection attempt will be cancelled.
  - **Server time-out**: Select the length of time **RealPlayer** waits for a response from the corresponding server when you send a request to the server, for example, pausing and resuming playback. After the specified period of time, **RealPlayer** gives you an alert message of no response, and disconnects from the server.
  - **Lowest UDP port**: Enter the lowest port number of the server's port range.
  - **Highest UDP port**: Enter the highest port number of the server's port range.

Gallery

Use **Gallery** to store and organise your images, sound clips, video clips, streaming live contents from the Internet, and RAM files.

Press to open the Menu, and then select **Gallery**.

1. Open **Gallery** to see a list of the folders in the phone's memory. Press the Right key to see the folders on the memory card, if you use one.

2. Select **Images**, **Sound clips**, or **Video clips** (or one of other folders that you have created).

3. In the open folder, you can see:
   - an icon depicting the type of each file in the folder, or a small thumbnail picture (for an image),
   - the file name,
   - the date and time the file was saved (for an image), or the file size, and
   - subfolders and the number of items inside them, if any.

Opening files

In a folder, select any file to open it. Each file will open in its corresponding application as follows:

- Images - open in the Image viewer. See the next section.
- Sound clips - open and play in the Music Player or MP3 Player application. See "Sound clips" on page 94.

- Video clips, RAM files, and streaming live content - open and play in the RealPlayer™ application. See "RealPlayer" on page 83.
- Subfolders - open to display contents.

Images

In this folder, you can access pictures you have taken using the camera and images you have downloaded from the Internet or received in multimedia messages.

Note: With **ImageCook**, you can edit pictures using various edit options. See page 98.

Viewing an image

1. On the Gallery screen, select **Images**.
2. Press the Up or Down key to browse through the pictures.
3. Press OK to open a picture.

   When you are viewing a picture, pressing the Left or Right key takes you to the next or previous picture in the current folder.

Using options in an image view

You can use the following options while you are viewing a picture:

- To zoom in or out, select **Options** → **Zoom in** or **Zoom out**.

- To view the picture on the full screen, select **Options** → **Full screen**. To go back to the normal view, press the right soft key or select the left soft key → **Normal screen**.
- To move the picture to the direction you want when you are zooming in, press the Navigation keys.
- To rotate the picture 90 degrees counterclockwise, select **Options** → **Rotate** → **Left**. To rotate the picture 90 degrees clockwise, select **Options** → **Rotate** → **Right**.

Note: Because these options are only for viewing, changes made in the image view are not saved.

Using the keypad shortcuts

In an image view, you can use the following keys:

- 1: rotates the picture 90 degrees counterclockwise.
- 2, 8, 4, 6: moves the picture to the direction you want while zooming in. These keys function as the Navigation keys.
- 3: rotates the picture 90 degrees clockwise.
- 5, 0: zooms in or out.
- 7: zooms in. Pressing this key once again switches the display to Full screen view.
- *: switches the view mode between the full screen view and the normal view.

Viewing image details

To view image details, such as format type, the time and date the image was created, resolution, size, colour type, select **Options** → **View details**. Press the Up or Down key to scroll through image information.

Accessing other default folders

- **Picture messages folder** - Use this folder to store pictures received in picture messages.

  Select **Images** → **Picture msgs.**. The six default pictures display.

  To save a picture that you have received in a picture message, press to open the Menu, and then select **Messaging** → **Inbox**, open the message, and select **Options** → **Save picture**.

- **Presence logos folder -** Use this folder to store user logos for the Presence service.

  Select **Images** → **Presence logos**.

- **Wallpapers folder** - Use this folder to store pictures that you want to use as background images.

  Select **Images** → **Wallpapers**.

Sending a picture

You can send pictures via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

Setting a picture as wallpaper

You can set your pictures as wallpaper (background images) for Standby mode. Open the picture you want and select **Options** → **Set as wallpaper**.

Sound clips

In this folder, you can access sound clips you have recorded in **Recorder**, and sound files you have downloaded from the Internet or received in multimedia messages.

Playing sound clips

1. On the Gallery screen, select **Sound clips**.

2. Press the Up or Down key to scroll to a sound clip or track list and press OK.

   If necessary, select the subfolder you want.

   The Music player screen opens and the sound clip starts playing.

3. During playback, you can use the following options:
   - To adjust the volume, press / or the Left or Right key.
   - To pause playback, select .
   - To resume playback, select .
   - To skip to the previous or next file, select or .

- To move backward or forward through a file, select ◀◀ or ▶▶. The player moves by 5-second increments.
- To stop playback, select ■ or press the **Stop** soft key.

Sending a sound clip

You can send sound clips via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

Video clips

In this folder, you can access video clips you have recorded using the camera or video files you have downloaded from the Internet or received in multimedia messages.

Playing video clips

1. On the Gallery screen, select **Video clips**.

   On the Video clips list, you will see:

   - the size (kB) and file name of the video clip
   - subfolders and the number of the items inside them, if any

2. Press the Up or Down key to scroll to a video clip and press OK.

   The RealPlayer opens and the video clip starts playing. For details, see page 84.

Sending a video clip

You can send video clips via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

Downloading files

You can download files from the web browser. The downloaded files are saved in **Gallery**.

Select **Options** → **Gallery downloads** and choose from **Graphic downloads**, **Video downloads**, or **Tone downloads**. The web browser opens and you can choose a bookmark for the website from which to download or enter a URL address of the website. See "Viewing bookmarks" on page 208.

To access the web browser, you must configure your default access point. See "Access points" on page 241.

Uploading images to an image server (network service)

You can send your pictures to an image server to allow others to share your pictures online.

Note: You can upload only .JPG files to an image server.

Before you can upload images, you must enter the settings for the image server. See "Setting up the image server" below. You can get these settings from your service provider.

Uploading an image

1. To begin an upload, scroll to an image. If you want to upload more than one image or all of your images, select **Options** → **Mark/Unmark**.

2. To upload the currently selected image, select **Mark**.

   To upload all images, select **Mark all**.

3. Select **Options** → **Image uploader**.

4. Select **Upload**.

5. Enter a name for the folder on the image server where the images will be stored, and press OK.

Setting up the image server

1. Select **Options** → **Image uploader** → **Settings**.

2. Select **Image servers**.

3. Fill in the details for each field.

   If you want to add a new image server, select **Options** → **New image server**.

4. When you are finished, press the **Back** soft key.

ImageCook

Use **ImageCook** to edit pictures you have taken using the camera and images you have downloaded from the Internet or received in multimedia messages. You can send pictures via one of the messaging services or via Bluetooth. You can also set pictures as wallpaper for Standby mode.

Press to open the Menu, and then select **ImageCook**.

Editing a picture

You can edit pictures by changing the image settings, applying a special effect, or adding decorative items.

1. On the ImageCook screen, there is a list of the folders in the phone's memory. Press the Right key to see the folders on the memory card, if you use one.

2. Select **Images** or one of the other folders where the image files you want are saved.

3. Scroll to the picture you want to edit and press OK or select **Options** → **Edit**.

4. You are asked to select the part of the image to be edited. You can edit specific parts of the image by cropping the area first. If you so desire, press the **Yes** soft key and select the part of the image you want to edit by pressing the Navigation keys and then the **Options** soft key.

   To change the image size to QCIF (176*144), press the **No** soft key.

5. Press the Right or Left key to move between the edit options on the navigation bar. The following icons indicate each edit option:
   - for **Adjust**
   - for **Effect**
   - for **Add**

6. Press the **Options** soft key and select an option.

   By selecting the **Adjust** option, you can use:
   - **Rotate** to rotate the picture 90 degrees clockwise or counterclockwise.
   - **Flip** to change the image to its mirror image or flip the image vertically.
   - **Zoom** to zoom in or out. Select **Options** → **Zoom in** or **Zoom out**.

   By selecting the **Effect** option, you can use:
   - **Adjust** to adjust the image brightness by pressing the Left or Right key, or to adjust the image contrast by pressing the Up or Down key.
   - **Tone** to select a colour tone.
   - **Magic effect** to apply an effect, such as Negative, Sharp, Noise, Emboss, Mosaic, Edge, Blur, or Fisheye lens.
   - **Special effect** to apply a special effect, such as B/W movie, Old movie, Warm, Fresh, or Horror.
   - **History** to show you the original and previously edited status of image. Select the image to return to any of the images.

By selecting the **Add** option, you can use:

- **Add frame** to select a decorative frame. After selecting, press OK or the **Apply** soft key to add the frame to the picture.
- **Add icon** to select an icon. After selecting an icon, move the icon around the photo by pressing the Navigation keys and press OK or the **Apply** soft key to add the icon to the picture.
- **Add text** to enter text to be displayed on the picture. While entering text, you can change the colour or size of the text by selecting **Options** → **Color** or **Size**. After completing the entry, press OK or select **Options** → **Insert** to add the text to the picture. You can move the text position by pressing the Navigation keys. Then press OK or select **Options** → **Apply** to fix the text.
- **Add balloon** to select a balloon. After selecting a balloon, move the balloon around the photo by pressing the Navigation keys. To enter text in the balloon, select **Options** → **Input text**. While entering text, you can change the colour or size of the text by selecting **Options** → **Text color** or **Text size**. After completing the entry, press OK or select **Options** → **Insert text**. You can also change the size of the balloon by selecting **Options** → **Balloon size**. Then press OK or select **Options** → **Apply** to fix the balloon.
- **Focus** to access and change previously added elements.

Note: You can view the help information on each edit option by selecting **Options** → **Help**.

7. When you have finished, select **Options** → **Save**.

8. Enter a name and press the **OK** soft key.

   If you use an existing name, the phone asks you if you want to replace. Press the **OK** soft key to confirm, or the **Cancel** soft key and then enter another name.

9. Press the **Back** soft key to return to the file list.

Sending a picture

You can send pictures via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

Setting a picture as wallpaper

You can use your pictures as wallpaper (background images) for Standby mode. Select **Options** → **Set as wallpaper**.

Games

In **Games**, you can enjoy two default games, **Ziogolf** and **BubbleSmile**. You can also download games from the Internet.

Press to open the Menu, and then select **Games**.

Notes:
- Running certain games may consume the phone's battery faster (and you may need to connect the phone to the charger.)
- You can download games from various sources and store them in your phone. See "Installing Java™ applications" on page 264.

Ziogolf

You can enjoy a round of golf on your phone.

1. In **Games**, select **Ziogolf**.
2. Press the Up or Down key to access the following options:
   - **New Game**: starts a new game.
   - **Load Game**: restarts a saved game.
   - **Best Score**: displays the high score table.
   - **Credits**: displays information about the developers of Ziogolf.
   - **Help**: displays the key help screen to show you the keys used to play the game.
   - **Quit**: exits the game screen.

3. Select **New Game**.
4. Select a player.
5. Enter a name for the player and press OK.
6. To start the game, press OK or the right soft key.
7. Press the right soft key and select a club.

Note: You can view the course by pressing the Navigation keys.

8. Press the left soft key and direct your swing by pressing the Left or Right key. Press OK to get ready to swing.
9. Press OK and then press OK again to determine the strength of your swing.
10. When the white bar is near the "0" mark, press OK to hit the ball.
11. Press OK to continue.
12. Repeat from step 8 until you are on the green.
13. When you are on the green, select the direction of your putt, depending on the level of the surface displayed on the top right of the game screen, by pressing the Left or Right key. Then press OK.
14. Press OK when the white line is near the flag mark.

Each time you finish a hole, the display shows your score. Press OK to go to the next hole. When you have finished 18 holes, the game is over.

While playing the game, press ABC to access the following options:

- **Resume Game**: returns to the game screen.
- **Sound**: switches the game sound on or off.
- **Volume**: adjusts the volume level for the game sound.
- **Save Game**: saves the current game.
- **End Game**: ends the game.

BubbleSmile

The goal of this game is to score as many points as possible by rotating adjacent bubbles to create a row, either horizontally or diagonally, of 3 or more identical bubbles.

1. In **Games**, select **BubbleSm...**.

2. Press the Up or Down key to access the following options:
   - **TIMED MODE**: is the game mode for beginners. In this mode, you play until time runs out. You set more time than in the Skilled Mode game.
   - **SKILLED MODE**: is the game mode for more skilled users. In this mode, the more moves you make, the faster the gauge goes down.If you create a row of more than 4 identical bubbles, the gauge goes up.

- **HIGH SCORE**: shows the high score table.
- **HOW TO PLAY**: shows how to play the game.
- **CREDITS**: shows you information about the developers of BubbleSmile.
- **EXIT**: ends the game.

3. Select a game mode from **TIMED MODE** or **SKILLED MODE**.

4. Press the Navigation keys to move the band currently surrounding 3 bubbles to the desired location.

5. Press the left or right soft key to rotate the bubbles within the band counterclockwise or clockwise.

   When a set of 3 or more identical bubbles are aligned, they disappear.

While playing the game, press OK to access the following options:

- **RESUME GAME**: returns you to the game screen.
- **EFFECT**: switches on or off the game sound.
- **NON-SAVED N' END**: ends the game without saving it.
- **SAVED N' EXIT**: saves the game and then exits it.

chapter 6

Message services

Your phone provides you with various message service applications:

- Messaging
- Voicemail
- Chat

Messaging

In **Messaging**, you can create and send, receive, and manage:

- text messages,
- multimedia messages,
- e-mails, and
- smart messages: special text messages containing data.

In addition, you can receive service messages and cell broadcast messages, and send service commands.

Press to open the Menu, and then select **Messaging**. You can also press the **Messag.** soft key in Standby mode.

Message folders

When you open **Messaging**, the **New message** function and a list of the following default message folders appears:

Inbox: contains received messages, except for e-mails and cell broadcast messages. E-mails are stored in **Mailbox**. You can read cell broadcast messages by selecting **Options** → **Cell broadcast**.

My folders: stores your messages to organise them into folders. You can create new folders within **My folders**.

Mailbox: When you open this folder, you can either connect to your remote mailbox to retrieve new e-mails or view previously retrieved e-mails offline. See page 126 for further information about online and offline modes. After you have defined settings for a new mailbox, the name given to that mailbox replaces **Mailbox** in the main view. See "Settings for e-mails" on page 139.

Drafts: stores draft messages that have not been sent.

Sent: stores the 20 most recent messages that have been sent successfully. To change the number of messages to be saved, see "Settings for other folders" on page 142.

Outbox: is a temporary storage place for messages waiting to be sent.

Cell broadcast: contains messages on various topics received from your service provider.

Reports: You can request the network to send you a delivery report for the sent text messages and multimedia messages. To receive a delivery report, select **Options** → **Settings** → **Text message** or **Multimedia message**, scroll to **Receive report**, and select **Yes**.

Notes:
- Receiving a delivery report for a multimedia message that has been sent to an e-mail address might not be possible.
- Before you can create a multimedia message, write an e-mail, or connect to your remote mailbox, you must have the correct connection settings. See "Settings needed for e-mail" on page 117 and "Settings needed for multimedia messaging" on page 114.

When you have opened one of the default folders, for example, **Sent**, you can easily move between folders: pressing the Right key will open the next folder (**Outbox**), and pressing the Left key will open the previous folder (**Drafts**).

General information

The status of any message is always either draft, sent, or received. Messages can be saved to the **Drafts** folder before they are sent. Messages are temporarily placed in **Outbox** to wait for sending. After a message has been sent, you can find a copy of the message in the **Sent** folder. Received and sent messages are in read-only state until you select **Reply** or **Forward**, which copies the message to an editor.

Note: Messages or data that have been sent via Bluetooth are not saved in the **Drafts** or **Sent** folder.

Opening a received message

- When you receive a message, and the note "1 new message" are shown in Standby mode. Press the **Show** soft key to open the message. Press the **Exit** soft key to close the note.
- If you have more than one new message, press the **Show** soft key to open **Inbox** to see the message headings. To open a message in **Inbox**, select the message you want.

Creating and sending new messages

You can start to create a message in two ways:

- By selecting **New message** → **Text message**, **Multimedia message**, or **E-mail** in the Messaging main view, or
- By starting to create a message while using an application that has the **Send** or **Create message** option. In this case, the file that was selected, such as an image or a text, is added to the message.

Note: When sending messages, your phone may display the word "Sent." This is an indication that the message has been sent by your phone to the message centre number programmed into your phone. This is not an indication that the message has been received at the intended destination.

Adding a recipient to a message

When you create a message, there are several ways to add a recipient:

- add recipients from the Contacts directory. To open the Contacts directory, press OK in the **To:** or **Cc:** field, or select **Options** → **Add recipient**. Scroll to a contact and press OK to mark it. You can mark several recipients at a time. Press the **OK** soft key to return to the message. The recipients are listed in the **To:** or **Cc:** field and automatically separated with a semicolon(;).
- enter a phone number or e-mail address of the recipient in the **To:** or **Cc:** field, or
- copy the recipient information from another application and then paste it in to the **To:** or **Cc:** field. See "Copying text" on page 44.

Sending options

To change how a message is sent, select **Options** → **Sending options** when you are editing a message. When you save the message, its sending settings are also saved. For details, see page 135.

Viewing message details

To view the message details, select **Options** → **Message details**. The display shows the subject, the time and date the message was saved, message type, and the sender or recipient’s number or address.

Text messages

You can create and send a simple text message or a picture message containing small images.

Writing and sending text messages

1. Select **New message** → **Text message**. The editor opens with the cursor in the **To:** field.

2. Press OK to select recipient(s) from **Contacts**, or enter the phone number of the recipient. Add a semicolon (;) to separate each recipient.

3. Press the Down key to move to the text field.

4. Enter the message text.

   - To add a message template, select **Options** → **Insert** → **Template**.

   Note: Your phone supports the sending of multiple text messages at the same time. Therefore, the normal 160-character limit for one text message can be exceeded. If your text exceeds 160 characters, it is sent as two or more messages, and sending the message may cost you more.

   On the navigation bar at the top of the display, you can see the message length indicator counting backwards from 160. For example, 10 (2) means that you can still add 10 characters for the text to be sent as two messages.

   - To set the sending options for the message, select **Options** → **Sending options**. See page 135.

5. To send the message, select **Options** → **Send** or press .

Creating and sending picture messages

Your phone allows you to send and receive picture messages. Picture messages are text messages that contain small black-and-white graphics. There are several default pictures available in the **Picture msgs.** folder.

Note: This function can be used only if it is supported by your network operator or service provider. Only phones that offer picture messaging features can receive and display picture messages.

1. There are two possibilities; either:
   - Open the Menu → **Gallery** → **Images** → **Picture msgs.** and select a picture to be sent. Select **Options** → **Send**,
     or
   - Open the Menu → **Messaging** → **New message** → **Text message** → **Options** → **Insert** → **Picture**. Select a picture to be sent.
2. Press OK to select recipient(s) from **Contacts**, or enter the phone number of the recipient. Add a semicolon (;) to separate each recipient.
3. Press the Down key and enter the message text.
4. To send the message, select **Options** → **Send** or press .

Note: Each picture message is made up of items worth several text messages' worth of information. Therefore, sending one picture message may cost more than sending one text message.

Sending smart messages

Smart messages are special text messages that can contain data. You can send smart messages, such as:

- picture messages. See page 112.
- business cards containing contact information in generic (vCard) format.
- calendar entries (vCalender format).

For details about sending items from an application, see page 35.

Multimedia messages

A multimedia message can contain a combination of text and video clips, or text, images, and sound clips in one slide, but not a combination of images and video clips in one side. You can send multimedia messages phone to phone or phone to e-mail.

Note: This function can be used only if it is supported by your network operator or service provider. Only devices that offer compatible multimedia message or e-mail features can receive and display multimedia messages. Devices that don't have these features may receive details as a link to a web page.

Settings needed for multimedia messaging

For availability of and subscription to data services, please contact your network operator or service provider.

- Go to **Tools** → **Settings** → **Connection** → **Access points** and define the settings for a multimedia messaging access point. For further information on different data connections, see also "Connection settings" on page 239.
- Go to **Messaging** → **Options** → **Settings** → **Multimedia message**. Open **Access point in use** and select the access point you created to be used as the preferred connection. See also "Settings for multimedia messages" on page 137.

Note: You may receive the settings as a smart message from your network operator or service provider. See "Receiving smart messages" on page 122.

Creating and sending multimedia messages

Note: When you are sending a multimedia message to any phone other than an SGH-D730, you should use smaller image sizes and sound clips that are no longer than 1 minute. When you are sending a multimedia message to an e-mail address or to another SGH-D730, use a larger image size (network dependent).

1. In **Messaging**, select **New message** → **Multimedia message**.

2. Press OK to select the recipient(s) from **Contacts**, or enter the phone number of the recipient. Add a semicolon(;) to separate each recipient.

3. Press the Down key and enter the message text.

4. You can add objects to the multimedia message in any order you want.

   - To add an image, select **Options** → **Insert object** → **Image**. If you select **Insert new** → **Image**, Camera opens and you can take a new picture. The new picture is automatically saved. Press the **Select** soft key to insert a copy into the message.

Note: When sending a multimedia message to another phone, set the default image size to **Small**. See page 139.

   - To add sound, select **Options** → **Insert object** → **Sound clip**. If you select **Insert new**→ **Sound clip**, Voice recorder opens and you can record a new sound. The new sound is automatically saved. Press the **Select** soft key to insert a copy into the message. When a sound has been added, the melody indicator ♫ is shown on the navigation bar.

Note: If you opt to add a video file, the resolution of the video must be smaller than 176 x 144.

   - To add video, select **Options** → **Insert object** → **Video clip**. If you select **Insert new** → **Video clip**, Camera opens and you can record a new video. The new video is automatically saved. Select **Options** → **Select** to insert a copy into the message.

- To add more slides to your message, select **Options** → **Insert new** → **Slide**. After adding slides, press the Up or Down key or select **Options** → **Move** to select the slide you want to go.

Note: When you insert an object, you need to select whether the object is stored in the phone's memory or on the memory card, if one is used.

- To make a multimedia presentation using one of the image or sound templates, select **Options** → **Create presentation**. For a presentation, you can change a colour, add an image to the background, and apply a special effect between images and slides of the presentation.
- To remove an added item, select **Options** → **Remove**, and select the item you want.
- To set the sending options for the multimedia message, select **Options** → **Sending options**. See page 137.

Note: When you add more than one image, sound, or video clip to a multimedia message, a slide is automatically added. You can scroll through the slides by pressing the Up or Down key or selecting **Options** → **Move**.

5. To send the message, press or select **Options** → **Send**.

Previewing a multimedia message

To see what the multimedia message will look like, select **Options** → **Preview**.

Working with different media objects

- To see all of the different media objects included in a multimedia message, open a multimedia message and select **Options** → **Objects** to open the Objects view. A list of different objects and their file sizes displays. You can change the order of the objects, delete objects, or open objects in a corresponding application.
- To remove a multimedia object, scroll to the object and select **Options** → **Remove**.

E-mail

You can send e-mails that include text, images, sound clips, video clips, or other attachments.

Settings needed for e-mail

Before you can send, receive, retrieve, reply to, or forward e-mail, you must:

- Configure an Internet Access Point (IAP) correctly. See "Connection settings" on page 239.
- Define your e-mail settings correctly. See "Settings for e-mails" on page 139.

Note: Follow the instructions given by your remote mailbox and Internet service provider.

Writing and sending e-mails

1. Select **New message** → **E-mail**.

2. Press OK to select the recipient(s) from **Contacts**, or enter the e-mail address of the recipient in the **To:** field. Add a semicolon (;) to separate each recipient.

   If you want to send a copy of your e-mail to someone, press the Down key and enter the address in the **Cc:** field.

3. Press the Down key to move to the **Subject** field.

4. Enter the e-mail subject and press the Down key.

5. Enter the e-mail text.
   - To add an attachment to the e-mail, select **Options** → **Insert** → **Image**, **Sound clip**, **Video clip**, or **Note**. appears on the navigation bar to indicate that the e-mail has an attachment.
   - Select **Options** → **Insert** → **Template** to add pre-written text to the e-mail.
   - You can also add an attachment to an e-mail by selecting **Options** → **Attachments** in an open e-mail. The Attachments view opens where you can add, view, and remove attachments.

   Note: When you add an attachment, you need to select whether the image is stored in the phone's memory or on the memory card, if one is used.

   - To remove an attachment, on the Attachments view screen, scroll to the attachment and select **Options** → **Remove**.

- To set the sending options for the e-mail, select **Options** → **Sending options**. See page 139.

6. To send the e-mail, select **Options** → **Send** or press .

Important: Copyright protections may prevent some images, sounds, and their contents from being copied, modified, transferred, or forwarded.

Note: E-mails are automatically placed in **Outbox** before sending. If something goes wrong while the phone is sending the e-mail, the e-mail is left in **Outbox** with the status **Failed**.

Inbox - receiving messages

Messages and data can be received using text message or multimedia service, or via Bluetooth. When there are unread messages in **Inbox**, the icon changes to .

In **Inbox**, the message icons tell you what kind of a message it is. Here are some of the icons that you may see:

- for an unread text message,
- for an unread smart message, which may include a business card or a calendar entry,
- for an unread multimedia message,
- for an unread service message,
- for media files received via Bluetooth, and
- for an message of unknown type.

Viewing messages in Inbox

To open a message, select the message you want.

Use the Up or Down key to move up and down in the message. When you view a message, press the Left or Right key to move to the previous or next message in the folder.

Options in different message viewers

To use message options, press the **Options** soft key in a message view. Available options depend on the type of the message you have opened:

- **Save picture**: saves the picture to **Gallery** → **Images** → the **Picture msg.** folder.
- **Save business card**: saves the contact card in a smart message to **Contacts**.
- **Save to Calendar**: saves the memo in a smart message to **Calendar**.
- **Play presentation**: plays the multimedia presentation from a multimedia message.
- **Reply**: copies the address of the sender to the **To:** field. Select **Reply** → **To all** to copy the addresses of the sender and **Cc:** field recipients to the new message.
- **Forward**: copies the message contents to an editor.
- **Call**: calls the sender by pressing .
- **Delete**: deletes a message.
- **View image**: displays an image in a multimedia message.
- **Play sound clip**: plays the sound in a multimedia message.

- **Play video clip**: plays the video in a multimedia message.
- **Objects**: displays a list of all the different multimedia objects in a multimedia message.
- **Message details**: shows detailed information about a message.
- **Move to folder**: moves message(s) to **My folders** or one of the folders you have created. See "Moving items to an application folder" on page 37.
- **Add to Contacts**: copies the phone number or e-mail address of the message sender to the Contacts directory. Choose whether you want to create a new contact card or add the information to an existing contact card.
- **Find**: searches the message for phone numbers, e-mail addresses, and URL addresses. After the search, you can make a call or send a message to the found number or e-mail address, or save the data to **Contacts** or as a browser bookmark.

Viewing multimedia messages in Inbox

You can recognise multimedia messages by their icon .

To open a multimedia message, select the message you want. You can see an image, read a message, and hear a sound, simultaneously.

If a sound is playing, the Left or Right key to increase or decrease the volume. If you want to mute the sound, press the **Stop** soft key.

Multimedia message objects

To see what kinds of media objects have been included in the multimedia message, open the message and select **Options** → **Objects**. In the Objects view, you can view files that have been included in the multimedia message. You can choose to save the file in your phone or to send it, for example, via Bluetooth to another device.

To open a file, select the file you want.

Important: Multimedia message objects may contain viruses or otherwise be harmful to your phone or computer. Do not open any attachment if you are not sure of the trustworthiness of the sender. For more information, see "Certificate management" on page 252.

Receiving smart messages

Your phone can receive many kinds of smart messages, which are text messages that contain data (also called Over-The- Air (OTA) messages). To open a received smart message, open **Inbox** and select the smart message ( ).

- **Picture message**: to save a picture in the **Picture msgs.** folder for later use, select **Options** → **Save picture**.
- **Business card**: to save contact information, select **Options** → **Save business card**.

Note: If certificates or sound files are attached to business cards, they are not saved.

- **Ringing tone**: to save a ringtone to **Gallery**, select **Options** → **Save**.
- **Operator logo**: to save a logo, select **Options** → **Save**. The operator logo can now be seen in Standby mode instead of the network operator's own identification.
- **Calendar entry**: to save an entry to Calendar, select **Options** → **Save to Calendar**.
- **WAP message**: to save a bookmark, select **Options** → **Save to bookmarks**. The bookmark is added to the Bookmarks list. If the message contains both browser access point settings and bookmarks, to save the data select **Options** → **Save all**. Or, select **Options** → **View details** to view the bookmark and access point information separately. If you do not want to save all of the data, select a setting or bookmark, open the details and select **Options** → **Save to settings** or **Save to bookmarks**, depending on what you are looking at.
- **E-mail notification**: tells you how many new e-mails you have in your remote mailbox. An extended notification may list more detailed information such as subject, sender, attachments, and so on.
- In addition, you can receive a text message service number, voicemail server number, profile settings for remote synchronisation, access point settings for the browser, multimedia messaging or e-mail, access point login script settings, or e-mail settings. To save the settings, select **Options** → **Save to SMS sett.**, **Save to voice mail**, **Save to settings** or **Save to e-mail sett.**.

Service messages

You can order service messages (push messages) from service providers. Service messages are notifications of, for example, news headlines, and they may contain a text message or an address for a browser service. For availability and subscription, contact your service provider.

Service providers can update an existing service message every time a new service message is received. Messages can be updated even if you have moved them to a folder other than **Inbox**. When service messages expire, they are deleted automatically.

Viewing service messages in Inbox

1. In **Inbox**, select a service message ( ).
2. To download or view the service, press **Download message**. The note **Downloading message** is displayed. The phone starts to make a data connection, if needed.
3. Press the **Back** soft key to return to **Inbox**.

Viewing service messages on the browser

When you are browsing, select **Options** → **Read service msgs.** to download and view new service messages.

My folders

In **My folders**, you can organise your messages into folders, create new folders, and rename and delete folders. Select **Options** → **New folder** or **Rename folder**. For more information, see "Moving items to an application folder" on page 37. You can also create and store text templates in **My folders**.

Templates folder

You can use text templates to avoid rewriting messages that you send often.

Select **Templates** and:

- To create a new template, select **Options** → **New template**.
- To send a message using a template, select **Options** → **Send**.

Mailbox

When you open this folder, you can connect to your Mailbox:

- to retrieve new e-mail headings or messages, or
- to view your previously retrieved e-mail headings or messages offline.

If you select **Mailbox** or **New message** → **E-mail** in the Messaging main view and you have not set up your e-mail account, you will be prompted to do so. See "Settings for e-mails" on page 139.

When you create a new mailbox, the name you give to the mailbox automatically replaces **Mailbox** in the Messaging main view. You can have up to 6 mailboxes.

Opening a mailbox

When you open a mailbox, you can choose whether you want to view the previously retrieved e-mails and e-mail headings offline, or connect to the e-mail server.

- When you select your mailbox, the phone asks you if you want to **Connect to mailbox?**. Select **Yes** to connect to your mailbox or **No** to view previously retrieved e-mails offline.
- Another way to start a connection is to select **Options** → **Connect**.

Viewing e-mails when online

When you are online, you are continuously connected to your mailbox via a data call or a packet data connection. See page 29 for data connection indicators and page 239 for general information about data connections.

Note: If you are using the POP3 protocol, e-mails are not updated automatically in online mode. To see the newest e-mails, you need to disconnect and then make a new connection to your mailbox.

Viewing e-mails when offline

When you view e-mails offline, your phone is not connected to your mailbox. This mode may help you to save on connection costs.

To view e-mails offline, you must first retrieve e-mails from your mailbox. See the next section. After you have retrieved the e-mails to your phone, select **Options** → **Disconnect** to end the data connection.

You can continue reading the retrieved e-mail headings and/or the retrieved e-mails offline. You can enter new e-mails, reply to the retrieved e-mails, and forward e-mails. You can order the e-mails to be sent the next time you connect to the mailbox. When you open **Mailbox** the next time and you want to view and read the e-mails offline, answer **No** to the **Connect to mailbox?** query.

Retrieving e-mails from a mailbox

If you are offline, select **Options** → **Connect** to start a connection to your mailbox.

The mailbox view is similar to the **Inbox** folder in **Messaging**. You can move up and down on the list by pressing the Up or Down key. The following icons are used to show the status of e-mails:

- - new e-mail (offline or online mode), whose content has not been retrieved from the mailbox to your phone (the arrow on the icon is pointing downward).
- - new e-mail, whose content has been retrieved from the mailbox (arrow pointing upward).
- - e-mails that are read and the content has been retrieved from the mailbox.
- - e-mail headings that have been read and the message content has been deleted from the phone and the server.

1. When you have an open connection to your mailbox, select **Options** → **Retrieve e-mail** →
   - **New** to retrieve all new e-mails to your phone.
   - **Selected** to retrieve the selected e-mail.
   - **All** to retrieve all messages from the mailbox.

   To cancel retrieval, press the **Cancel** soft key.

2. After you have retrieved the e-mails, you can continue viewing them online or select **Options** → **Disconnect** to end the connection and view the e-mails offline.

Opening e-mails

When you are viewing e-mail boxes either in online or offline mode, select the e-mail you want to view. If the e-mail has not been retrieved (arrow on the icon is pointing downward) and you are offline, you are asked to retrieve e-mails. Press the **Yes** soft key. If you are online, the e-mail is automatically retrieved from the mailbox. Note that the data connection is left open after the e-mail has been retrieved. Select **Options** → **Disconnect** to end the data connection.

Disconnecting from a mailbox

When you are online, select **Options** → **Disconnect** to end the GSM data call or GPRS connection to the remote mailbox.

Viewing e-mail attachments

Open a message that has the attachment indicator and select **Options** → **Attachments** to open the Attachments view. In the Attachments view, you can retrieve, open, or save attachments. You can also send attachments via Bluetooth.

Important: E-mail attachments may contain viruses or otherwise be harmful to your phone or computer. Do not open any attachment if you are not sure of the trustworthiness of the sender. For more information, see "Certificate management" on page 252.

Opening an attachment

1. In the Attachments view, select an attachment.

   The attachment opens in the corresponding application.

2. Press the **Back** soft key to return to the e-mail viewer.

Saving an attachment

To save an attachment, select **Options** → **Save** in the Attachment view. The attachment is saved in the corresponding application.

Note: Attachments, such as images, can be saved on the memory card, if one is used.

Deleting e-mails

- To delete an e-mail from the phone while still retaining it in your mailbox:

  Select **Options** → **Delete** → **Phone only**.

Note: The phone mirrors the e-mail headings in your mailbox. So, although you delete the message content, the e-mail heading stays in your phone. If you want to remove the heading as well, you have to first delete the e-mail from your remote mailbox and then make a connection from your phone to the remote mailbox again to update the status.

- To delete an e-mail from both the phone and from your mailbox:

  Select **Options** → **Delete** → **Phone and server**. The e-mail icon change to .

Note: If you are offline, the e-mail is first deleted from your phone. During the next connection to your mailbox, it is automatically deleted from your mailbox. If you are using the POP3 protocol, e-mails marked to be deleted are removed only after you have closed the connection to your mailbox.

Undeleting e-mails when offline

To cancel deleting an e-mail from both the phone and server, scroll to an e-mail that has been marked to be deleted during the next connection , and select **Options** → **Undelete**.

Outbox

Outbox is a temporary storage place for messages that are waiting to be sent.

Status of the messages in Outbox

- **Sending**: A connection is being made and the message is being sent.
- **Waiting**/**Queued**: For example, if there are two similar types of messages in **Outbox**, one of them is waiting until the first one is sent.
- **Resend at** (time): Sending has failed. The phone tries to send the message again after a time-out period. Select **Option** → **Send** if you want to restart the sending immediately.
- **Deferred**: You can defer sending messages while they are in **Outbox**. Scroll to a message that is being sent and select **Options** → **Defer sending**.
- **Failed**: Sending has failed. The maximum number of sending attempts has been reached. If you are trying to send a text message, open the message and check that the Sending settings are correct.

Messages are placed in **Outbox** when your phone is outside the network coverage area. You can also schedule e-mails to be sent the next time you connect to your mailbox.

Cell broadcast

You can access Cell broadcast (CB) messages on various topics, such as the weather or traffic conditions, received from your service provider by selecting **Cell broadcast** in the Messaging main view. You can also select **Options** → **Cell broadcast**. For available topics and relevant topic numbers, contact your service provider.

When you access **Cell broadcast**, the screen shows:

- the status of the topic:
  - (unread) and (read) for subscribed messages
  - (unread) and (read) for unsubscribed messages
- the topic number, topic name, and whether it has been flagged for Hotmark. You are notified when messages belonging to a flagged topic have arrived.

On the topic list:

- To add a topic, select **Options** → **Topic** → **Add manually**. Then enter the topic name and number.
- To change the name and number of a topic, scroll to it and select **Options** → **Topic** → **Edit**.
- To remove a topic, scroll to the topic and select **Options** → **Topic** → **Delete**. To delete all of topics, select **Options** → **Delete all**.
- To subscribe to a topic, scroll to the topic and select **Options** → **Subscribe**. To cancel the subscription to the topic, select **Options** → **Unsubscribe**.

- To receive a notification when a message related to a topic arrives, scroll to the topic and select **Options** → **Hotmark**. To remove the hotmark setting, select **Options** → **Remove hotmark**.

Note: A packet data (GPRS) connection may prevent cell broadcast reception. Contact your network operator for the correct GPRS settings. For further information on the GPRS setting, see "GPRS" on page 246.

Reports

In **Reports**, you can view delivery reports for your text and multimedia messages, if you set the **Receive report** option to **Yes** in the **Text message** and **Multimedia message** settings.

Note: No delivery reports can be received for messages sent to e-mail addresses.

Tip: You can define the receipt of delivery reports in the **Text message** and **Multimedia message** settings. For details, see page 135 and page 138 respectively.

- To call a message recipient, scroll to the delivery report and press or select **Options** → **Call**.
- To clear a report, scroll to the report and select **Options** → **Clear deliv. reports**.

Viewing messages on a SIM card

Sometimes, text messages may be stored on the SIM card, depending on their specifications.

Before you can view the messages stored on the SIM card, you need to copy them to a folder on your phone.

1. In the Messaging main view, select **Options** → **SIM messages**.
2. Select **Options** → **Mark/Unmark** → **Mark** or **Mark all** to mark messages.
3. Select **Options** → **Copy**. A list of folders opens.
4. Select a folder. Go to the folder to view the messages.

Service command editor

You can send requests, such as activation commands for network services (also known as USSD commands), to your service provider. For more information, contact your service provider.

To send a request:

- In Standby mode or when you have an active call, enter the command number(s) and press , or
- If you need to enter letters as well as numbers in **Messaging**, select **Options** → **Service command**.

Messaging settings

The Messaging settings have been divided into groups according to the different message types. Select the settings you want to edit.

Settings for text messages

Go to **Messaging** and select **Options** → **Settings** → **Text message** to open the following list of settings:

- **Message centres**: Lists all of the text message centres that have been defined. See "Adding a new text message centre" on page 136.
- **Msg. centre in use** (Message centre in use): Defines which message centre is used for delivering text messages and smart messages, such as picture messages.
- **Receive report**: When this network service is set to **Yes**, the network informs you when a message has been delivered. Delivery reports are saved in the **Reports** folder.
- **Message validity**: If the recipient of a message cannot be reached within the validity period, the message is removed from the text message service centre. Note that the network must support this feature. **Maximum time** is the maximum amount of time allowed by the network for the message to remain active.

- **Message sent as**: You can convert your text messages to another format. The options are **Text**, **Fax**, **Paging**, and **E-mail**. For further information, contact your network operator.

Note: Change this option only if you are sure that your service centre is able to convert text messages into these other formats.

- **Preferred connection**: You can send text messages via the normal GSM network or via GPRS, if supported by the network. See "GPRS" on page 246.
- **Reply via same ctr.**: When this network service is set to **Yes**, the recipient's reply message is sent using the same text message centre. Note that this may not work between all operators.

Adding a new text message centre

1. On the Text message setting view, select **Message centres** and select **Options** → **New msg. centre**.
2. Select **Msg. centre name**, enter a name for the service centre, and press the **OK** soft key.
3. Select **Msg. centre number**, enter the number of the message service centre, and press the **OK** soft key.

   You can get the number from your service provider.

Settings for multimedia messages

Go to **Messaging** and select **Options** → **Settings** → **Multimedia message** to open the following list of settings:

- **Access point in use** (Must be defined): Select which access point is used as the preferred connection for the multimedia message centre.

Note: If you receive multimedia message settings in a smart message and save them, the received settings are automatically used for the Preferred connection. See "Receiving smart messages" on page 122.

- **Multimedia reception**: Select:
  - **Only in home net.** if you want to receive multimedia messages only when you are in your home network. When you are outside your home network, multimedia message reception is turned off.
  - **Always on** if you want to receive multimedia messages regardless of where you are.
  - **Off** if you do not want to receive multimedia messages or advertisements at all.

Important: When you are outside your home network, sending and receiving multimedia messages may cost you more.
If the settings **Only in home net.** or **Always on** have been selected, your phone can make an active data call or GPRS connection without your knowledge.

- **On receiving msg.**: Select:
  - **Retr. immediately** if you want the phone to retrieve multimedia messages instantly. If there are Deferred status messages, they are retrieved as well.
  - **Defer retrieval** if you want the multimedia message centre to save the message to be retrieved later.
  - **Reject message** if you want to reject multimedia messages. The multimedia message centre will delete the waiting messages.
- **Allow anon. messages**: Select **No** if you want to reject messages from anonymous senders.
- **Receive adverts**: Define whether or not you want to receive multimedia message advertisements.
- **Receive report**: When this network service is set to **Yes**, the network informs you when your message has been delivered. Delivery reports are saved in the **Reports** folder.

Note: It may not be possible to receive a delivery report for a multimedia message that has been sent to an e-mail address.

- **Deny report sending**: Select **Yes**, if you do not want your phone to send delivery reports for received multimedia messages.
- **Message validity**: If the recipient of a message cannot be reached within the validity period, the message is removed from the multimedia message centre. Note that the network must support this feature. **Maximum time** is the maximum amount of time allowed by the network before a message is deleted.

- **Image size**: Define the size of images in multimedia messages. The options are **Small** (max. 160x120 pixels) and **Large** (max. 640x480 pixels). When you send a message to an e-mail address, the image size is set to **Small**.

Settings for e-mails

Go to **Messaging** and select **Options** → **Settings** → **E-mail**. To select the mailbox you want to use, select **Mailbox in use**.

Settings for Mailboxes

Select **Mailboxes** to open a list of mailboxes that have been defined. If no mailboxes have been defined, you are prompted to do so.

The following list of settings is shown:

- **Mailbox name**: Enter a name for the mailbox.
- **Access point in use** (Must be defined): This is the Internet Access Point (IAP) used for the mailbox. Choose an IAP from the list. For more information on how to create an IAP, see also "Connection settings" on page 239.
- **My e-mail address** (Must be defined): Enter the e-mail address given to you by your service provider. The address must contain the @ character. Replies to your messages are sent to this address.
- **Outgoing mail server** (Must be defined): Enter the IP address or host name of the mail server that sends your e-mails.

- **Send message**: Define how an e-mail is sent from your phone. When you select **Immediately**, a connection to the mailbox is started immediately after you have made this selection. When you select **During next conn.**, an e-mail is sent the next time you connect to your remote mailbox.
- **Send copy to self**: Select **Yes** to save a copy of the e-mail to your mailbox and to the address defined in **My e-mail address**.
- **Include signature**: Select **Yes** if you want to attach a signature to your e-mails, and to enter or edit a signature text.
- **User name**: Enter your user name, given to you by your mail service provider.
- **Password**: Enter your password. If you leave this field blank, you are prompted for the password when you try to connect to your remote mailbox.
- **Incoming mail server** (Must be defined): The IP address or host name of the mail server that receives your e-mails.
- **Mailbox type**: Define the e-mail protocol your mail service provider recommends.

Note: This setting can be selected only once and cannot be changed if you have saved or exited from the mailbox settings.

- **Security**: Select a secure connection protocol, **SSL**(Secure Sockets Layer) or **TLS**(Transport Layer Security). Any amount of data and messages can be sent securely.

- **Retrieve attachments** (for the IMAP4 protocol): Select **Yes** to retrieve e-mails with or without attachments.
- **Retrieve headers** (for the IMAP4 protocol): Limit the number of e-mail headers you want to retrieve to your phone.
- **APOP secure login** (for the POP3 protocol): Select **On** to encrypt the sending of passwords to the remote e-mail server.

Settings for service messages

When you go to **Messaging** and select **Options** → **Settings** → **Service message**, the following list of settings opens:

- **Service messages**: Choose whether or not you want to receive service messages.
- **Download messages**: Choose **Automatically** if you want the phone to automatically connect to the server to receive service messages, or **Manually** if you want to manually connect to the server.

Settings for cell broadcast messages

Check with your service provider to see if Cell Broadcast (CB) messaging is available and what the available topics and related topic numbers are. Go to **Messaging** and select **Options** → **Settings** → **Cell broadcast** to change the settings:

- **Reception**: Select **On** to receive CB messages.

- **Language**: Select **All** to receive cell broadcast messages in every possible language, or **Selected** to choose in which languages you wish to receive CB messages. If the language you want is not found in the list, select **Other**.
- **Topic detection**: Select **On** to save a topic number automatically when you receive a CB message that does not belong to any of the existing topics. The topic number is saved to the topic list and shown without a name. Choose **Off** if you do not want to save new topic numbers automatically.

Settings for other folders

Go to **Messaging** and select **Options** → **Settings** → **Other** to open the following list of settings:

- **Save sent messages**: Choose **Yes** if you want to save a copy of every text message, multimedia message, or e-mail that you have sent. Messages will be saved to the **Sent** folder.
- **No. of saved msgs.**: Define how many sent messages can be saved to the **Sent** folder at a time. When the limit is exceeded, the oldest message(s) will be deleted.

Voice mail

In **Voice mail**, you can access the voicemail server to check new voicemails.

Press to open the Menu, and then select **Tools** → **Voice mail**.

Connecting to the voicemail server

You first need to define the number of your voicemail server. Enter the number obtained from your service provider and press the **OK** soft key.

If you want to search for the number in **Contacts**, press the **Find** soft key and select it.

Now, you can access the voicemail server by selecting **Tools** → **Voice mail** → **Voice mailbox** or on the voice mailbox main view, select **Options** → **Call voice mailbox**. You can also press and hold in Standby mode. Follow instructions from the server to check your voicemails.

Changing the voicemail server number

If you need to change the number of the voicemail server, go to **Voice mail** and select **Options** → **Change number**. Enter a new number and press the **OK** soft key.

Chat

Note: This function can be used only if it is supported by your network operator or service provider. Only phones that offer compatible chat features can receive and display chat messages.

Chat is a way of sending short text messages that are delivered over TCP/IP protocols to online users (network service). Your contact list shows you when the contacts on the list are online and available to participate in a chat conversation.

When you have written and sent your message, it stays on the display. The reply message appears below your original message.

You can use the other functions of the phone while you have an active chat session in the background. Depending on the network, the active chat session may consume the phone's battery faster and you may need to connect the phone to a charger.

Press to open the Menu, and then select **Chat**.

Before starting Chat

To access a chat service, you need to set up a chat server and other settings. You may receive the settings from the service provider; see "Receiving smart messages" on page 122. You can also set up the settings manually; see "Settings for chat" on page 153.

Connecting to and disconnecting from the chat service

To connect to the chat service, go to **Chat**, and select **Options** → **Login**. When the phone has successfully connected, "Login completed" is displayed.

Tip: To set the phone to automatically connect to the chat service each time you access the **Chat** application, select **Options** → **Settings** → **Server settings** → **Chat login type** → **On app. start-up**.

To disconnect from the chat service, select **Logout**.

Starting a chat session

When you enter **Chat** and connect to the chat service, you can select:

- **Conversations** to view the list of new and read chats or invitations to chats during the active chat session. Scroll to the message or invitation you want and select **Options** → **Open** to read the message.

  indicates new chat messages and indicates invitations.

  On the Conversations list, scroll to a conversation, press the **Options** soft key and select:

  - **Open** to open the conversation to start a chat session.

  - **Delete** to delete the invitation, if the selected item is an invitation.

- **New conversation** to start a new conversation. You can select a participant from the Conversations list or enter the participant's ID manually, and then the phone sends an invitation to her/him.

- **Set auto reply on** to set the phone to send a preset reply automatically when a participant sends you a message or invitation.

- **Blocking options** → **Add to blocked list** to block messages from the current participiant. Select **Add ID to list manually** to add a contact to the blocking list or **View blocked list** to view blocked contacts. To unblock the contact, select **Unblock**.

• **Chat contacts** to view the contacts that you have added.

If you have received a new message from a contact, it is indicated by .

 indicates an online contact and indicates an offline contact in the phone's Contacts directory. indicates a blocked contact and no indicator means that the contact is unknown.

Scroll to a contact and press OK or select **Options** → **Open conversation** to start a chat.

For details, see "Contacts for chat" on page 149.

• **Chat groups** to view the list of bookmarks to public groups provided by the network operator or service provider.

To start a chat session with a group, scroll to a group and press OK or select **Options** → **Open**. You can also select **Options** → **Join group** and enter a group ID. Enter the screen name that you want to use in the conversation.

When you start a group chat, press the **Options** soft key and select:

- **Send private msg.** to send a private message to a specific member of the chat group.
- **Send invitation** to send your invitation to the members of the chat group.
- **Leave chat group** to leave the chat group.
- **Chat group** to view information about the group. You can view the members and group details and change the group settings.
- **Record convers.** to save the current conversation in **Notes**.
- **Stop recording.** to stop saving the conversation.

• **Options** → **New chat contact** → **Search from server** to search for other chat users on the network.

  You can search for a user by name, ID, phone number, or e-mail address.

• To start a chat session from **Contacts**, see "Viewing subscribed contacts" on page 65.

After joining a chat session, you can write your message and press to send it. Your message displays on the message list and the reply message displays below your message.

During a conversation, press the **Options** soft key and select:

• **Send** to send the entered message.

• **Add to Chat contact** to add the current partner to the Chat contacts list.

- **Forward** to send the selected message on the message list.
- **Record convers.** to save the current conversation in **Notes**.
- **Stop recording** to stop saving the conversation.
- **Blocking options** → **Add to blocked list** to block messages from the current participant. Select **Add ID to list manually** to add a contact to the blocking list or **View blocked list** to view blocked contacts. To unblock the contact, select **Unblock**.

Ending a chat session

To end the chat session, select **Options** → **End conversation**.

Accepting or rejecting a chat invitation

In Standby mode, when you have connected to the chat service and you receive an invitation, "1 new chat message" is displayed. Press the **Show** soft key to read it.

If you receive more than one invitation, the number of messages followed by new invitations received is displayed. Press the **Show** soft key, scroll to the invitation you want to view, and press the **OK** soft key.

- To join a private group conversation, select **Options** → **Join**. Enter the screen name that you want to use in the conversation.
- To reject or delete the invitation, select **Options** → **Reject** or **Delete**.

Reading a chat message

In Standby mode, when you have connected to the chat service and you receive a message from a person who is not taking part in the conversation, "1 new chat message" is displayed. Press the **Show** soft key to read it and start a conversation.

New messages received during an active chat session are held in **Conversations** in the **Chat** application.

If the message is from a person whose contact information is not in the Chat contacts list, the sender's ID is shown. If the contact information can be found in the phone's memory and the phone recognises it, the sender's name is shown. To save a new contact in the phone's memory, Select **Options** → **Add to Chat contact** and add details and press the **Done** soft key.

Contacts for chat

In the Chat contacts list, you can save information about chat participants, check their availability, and set tracking to recognise when they log into or out of the Chat service.

When you open the Chat contacts list, the saved chat participants display. indicates that the participant has logged into the service and indicates that the one has logged out. indicates that the participant is blocked.

Select **Chat contacts** → **Options**, and:

- **New Chat contact** to create a new contact or search for a contact from the server or other list.
- **Reload user availab.** to update the connection status of the contacts.

- **Settings** to edit the Chat menu or server settings.

Scroll to a contact, and press OK to start to chat, or press the **Options** soft key and select:

- **Contact details** to view the selected contact details. You can also edit the details.
- **Switch tracking on** to receive a note when the connection status of the contact changes. appears on the Chat contacts list to indicate that tracking is activated for that participant.
- **Belongs to groups** to view which group the contact belongs to.
- **Edit** to change the contact information.
- **Delete** to remove a contact from the Chat contacts list.
- **Blocking options** → **Add to blocked list** to block the messages from the selected contact. Select **Add ID to list manually** to add a contact to the blocking list or **View blocked list** to view the blocked contacts. To unblock the contact, select **Unblock**.

Chat groups

You can create your own private groups for a chat session, or use the public groups provided by the service provider. The private groups exist only during an active chat session. You can add only the contacts that are in your Contacts list to a private group. See page 57 for details on creating a new contact.

Accessing Public groups

You can bookmark public groups that your service provider may maintain. Connect to the chat service and select **Chat groups**. Scroll to a group that you want to chat with and press OK or select **Options** → **Open**. If you are not in the group, key in your screen name as your identity for the group. If you press the **Options** soft key, you can select **Delete group** to delete a group from your group list.

Creating a private group

1. Connect to the chat service and select **Chat groups** → **Options** → **Create new group**.

2. When a confirmation message to connect to the server displays, press the **Yes** soft key. You need to enter your ID and password.

3. Enter the group information.
   - **Group name**: Enter the group name.
   - **Group topic**: Enter the topic of the group chat.
   - **Welcome note**: Enter a welcome greeting that group members will see when they join the group.
   - **Group size**: Enter the maximum number of members who can join the group.
   - **Allow search**: Select **Yes** to allow the chat users to search for the group.
   - **Editing rights**: Assign rights for editing the group information to the creator of the group or the selected member(s).

- **Group members**: Select **All** to allow all chat users to join the group or **Selected only** to add the selected users to the group.

  When you select **Selected only**, in the Group members view, select **Options** → **Add member** → **Chat contact** or **Enter User ID**.

  - If you select **Chat contact**, scroll to a contact and press OK to place a check mark. When you have finished checking the contact(s) you want, press the **Select** soft key.
  - If you select **Enter User ID**, enter the ID of the contact you want and press the **OK** soft key.

  To remove a contact from the private group, scroll to it and select **Options** → **Remove**. To remove all contact, select **Options** → **Remove all**.

  When you are finished, you need to press the **Back** soft key from the private group list.

- **Banned list**: Select **Selected users** to set up the list of the chat contacts to be banned to join the group.
- **Allow private msg.**: Select **Yes** to allow private messages to the members of the group.

4. When you have finished, press the **Done** soft key.

Settings for chat

To change the settings for chatting, go to **Chat** and select **Options** → **Settings**.

Chat settings

- **Use screen name**: Enter the screen name to be displayed on the chat screen as your identity.
- **Chat presence**: Select if you want your presence to be active for all members of a conversation, or only for the contacts stored in your Chat contacts list.
- **Allow messages from**: Select if you want to receive chat messages from all members of a conversation or only from the contacts stored in your Chat contacts list.
- **Allow invitations from**: Select if you want to receive invitations from all chat users or only from the contacts on your Chat contacts list.
- **Message speed**: Adjust the speed of the message transmission by pressing the Left or Right key.
- **Availability reloading**: Select if you want to automatically or manually reload other chat users' availability status to indicate whether they are online or offline.

Server settings

- **Servers**: Add a new server or edit an existing server. To add a new server, press OK when **New server** highlights or select **Options** → **New server**.

  - **Server name**: Enter a name for the server.

- **Access point in use**: Select an access point. You can add or edit an access point; for details, see page 241.
- **Web address**: Enter your web address.
- **User ID**: Enter your user ID.
- **Password**: Enter your password.

Note: You can get the web address, user ID, and password from your network operator or service provider.

- **Default server**: Select the server you want to use.
- **Presence login type**: You can change the setting for the Presence service login; for details about the Presence service, see page 229. Select:
  - **Automatic** to automatically log in to the Presence service when you switch on the phone, regardless of your location.
  - **Aut. in home net**. to automatically log in to the Presence service when you are in your home network.
  - **On app. start-up** to automatically log in to the Presence service when you enter the **Presence** application.
  - **Manual** to display a confirmation message when you access the **Presence** application.
- **Chat login type**: Select **On app. start-up** to automatically log in to the chat service when you access the **Chat** application. Select **Manual** to display a confirmation message when you access the application.

chapter 7

Scheduler

This chapter gives you information on how to keep track of your schedule and how to make a list of tasks you need to do.

Calendar

In **Calendar**, you can keep track of appointments, meetings, birthdays, anniversaries, and other events. You can also set a calendar alarm to remind you of upcoming events.

Press to open the Menu, and then select **Calendar**.

Creating calendar entries

1. On the calendar, scroll to the date you want.
2. Select **Options** → **New entry** and select:
   - **Meeting** to remind you of an appointment that has a specific date and time.
   - **Memo** to write a general entry for a day.
   - **Anniversary** to remind you of birthdays or special dates. Anniversary entries are repeated every year.
3. Fill in the fields. Use the Up or Down key to move between fields.
   - **Subject**/**Occasion**: Enter a description of the event.
   - **Location**: Enter the place of a meeting.
   - **Start time**, **End time**, **Start date**, and **End date**.

- **Alarm**: Select **On** to activate the fields for **Alarm time** and **Alarm date**. Once an alarm has been set for the entry, displays in the day view.
- **Repeat**: You can change the entry to repeat. displays in the day view. The repeat function is handy if you have a recurring event, such as a weekly class, a fortnightly or monthly meeting, anniversary, or a daily routine you need to remember.
- **Repeat until**: You can set an ending date for the entry to repeat, for example, the ending date of a weekly course you are taking. This option is shown only if you have selected to repeat the event.
- **Synchronisation**: If you select **Private**, after synchronisation the particular calendar entry can be seen only by you. It will not be available to those with online access to view your calendar. This is useful when, for example, you synchronise your calendar with a calendar on a compatible computer at work. If you select **Public**, the calendar entry is visible to those who have access to view your calendar online. If you select **None**, the calendar entry will not be copied to your computer when you synchronise your calendar.

4. To save the entry, press the **Done** soft key.

Viewing Calendar

You can view the calendar in the month, week, or day view.

Month view

When you access Calendar, you can see your appointments in the month view. You can change the default view screen. See page 160.

In the month view, one row equals one week. Today's date is underlined. Dates that have calendar entries are marked with icons at the right bottom corner.

In **Calendar**, select **Options** → **Month view**.

The currently selected date is highlighted.

Today's date is underlined.

Date including a calendar entry.

Synchronisation icons in the month view:

- - Private,
- - Public,
- - None, and
- - the day has more than one entry.

To move to the day view, select the date you want to open.

To go to a certain date, select **Options** → **Go to date**. Enter the date and press the **OK** soft key.

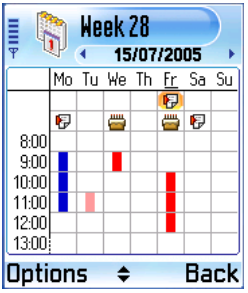
Tip: If you press in the month, week, or day view, today's date is automatically highlighted.

Week view

In the week view, the calendar entries for the selected week are shown in seven day boxes. Today's day of the week is underlined. Memos and Anniversaries are placed before 8 o'clock. Meeting entries are marked with coloured bars according to starting and ending times.

The colour of the bars varies depending on the synchronisation type.

In **Calendar**, select **Options** → **Week view**.



To view or edit an entry, select the cell that has the entry to move to the day view and select the entry you want to open.

Calendar entry icons in the day and week views:

- No icon - Meeting

  In the week view, the synchronisation indicators are displayed in different colours; Red for **Private**, Blue for **Public**, Pink for **None**.
- - Memo
- - Anniversary

Day view

In the day view, you can see the calendar entries for the selected day. The entries are grouped according to their starting times. Memos and Anniversaries are placed before 8 o'clock.

In the month view or week view, select the date you want to open.

To open an entry for editing, select it.

Editing calendar entries

1. In the day view, select the entry.
2. Edit the entry fields and press the **Done** soft key.

Setting calendar alarms

1. Create a new Meeting or Anniversary entry, or open a previously created entry.
2. Scroll to **Alarm** and select **On**.
3. Enter the alarm time and date on the **Alarm time** and **Alarm date** field.
4. Press the **Done** soft key. An alarm indicator is shown next to the entry in the day view.

Stopping a calendar alarm

The alarm duration is one minute. When the alarm sounds, press the **Stop** soft key to stop the calendar alarm. If you press the **Snooze** soft key, you can stop the alarm and cause it to sound again after 5 minutes.

Sending calendar entries

You can send Calendar entries via text and multimedia messages, and e-mail services, and via Bluetooth. For further information, see page 35.

Deleting calendar entries

When you delete a repeated entry, you can choose one of the following options:

- **All occurrences**: all repeated entries are deleted.
- **This entry only**: only the currently selected entry is deleted.

Changing calendar settings

Select **Options** → **Settings** and select:

- **Calendar alarm tone** to select a personalised alarm tone.
- **Default view** to select the view that is shown when you first open **Calendar**.
- **Week starts on** to change the starting day of the week.
- **Week view title** to change the title of the week view to be the week number or the week dates, if a week starts with Monday.

To-do

In **To-do**, you can keep a list of tasks that you need to do.

Press to open the Menu, and then select **To-do**.

Creating tasks

1. Start entering a task. The editor opens and the cursor blinks after the letters you have keyed in.

   You can also select **Options** → **New to-do note** to open the editor.

2. Complete the task subject in the **Subject** field.

3. Scroll to the **Due date** field and enter the date by which you need to finish the task.

4. Scroll to the **Priority** field and select a priority for the task.

5. To save the task, press the **Done** soft key.

Viewing tasks

When you open **To-do**, a list of tasks displays. The task list shows your "things to do" list. The task's priority icons display as follows:

- **High**, - **Low**, and No icon - **Normal**.

- To open a task, scroll to it and press OK or select **Options** → **Open**.
- To delete a task, scroll to it and select **Options** → **Delete** or press C.
- To mark a task as completed, scroll to it and select **Options** → **Mark as done**. You can also press *+. The check mark displays beside the task; - task completed and - not completed
- To restore a task, select **Options** → **Mark as not done** or press *+ again.

chapter 8

Extras

Anyvoice

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

Using **Anyvoice**, you can:

- make a call by saying any name from **Contacts**, without having to train the system to recognise names.
- retrieve contact information for a person on the Contacts list by saying the person's name.
- launch applications by voice.
- change settings that affect the way **Anyvoice** works on your phone.

To start **Anyvoice** and access the voice features of your phone:

Press and hold in Standby mode, or press to open the Menu, and then select **Usefulness** → **Anyvoice**.

If contact cards have been changed, **Anyvoice** automatically synchronise the contact list with them in **Contacts**.

When the phone prompts you with displaying "Please say a command," say one of the commands:

- Call [person's name]
- Open [application]
- Name dial
- Name search

Note: **Anyvoice** can recognise up to 1000 different names in **Contacts** and 200 different names of applications.

Name dialling

You can make a phone call by saying the name that has been assigned to a contact card in the Contacts directory.

Note: To use the Name Dial feature, the name and number that you want to dial must be in your Contacts directory. For details about **Contacts**, see page 57.

1. Go to **Anyvoice**. The Anyvoice main screen opens and the phone says "Please say a command."

2. Say "Name dial" after a beep sounds.

   Note: The phone counts down the time. If you don't say anything within 10 seconds or until the progress bar moves to the end, it prompts you one more time.

3. Say the full name of the contact card, the first name followed by the last name.

Note: You can say "Call" and then a person's name stored in **Contacts** to make a call by voice command; for example, say "Call James Bond." This will save you a step for name dialling.

4. If there are similar names, the phone displays the 3 best candidates and then recites the name that most closely matches your command and the first available number type. If the name or type is not what you wanted, say “Next” or press the Right or Down key.

   To go back to the name or type recited previously, say “Previous” or press the Left or Up key.

   Repeat until you hear what you want.

5. If you press OK or say nothing for 3 seconds, the phone dials the currently selected number.

Searching for contacts

Anyvoice lets you retrieve contact information for any name in the Contacts directory by saying that name. Your phone displays the information.

To view contact information by saying the name:

1. Go to **Anyvoice**. The Anyvoice main screen opens and the phone prompts you, saying “Please say a command.”

2. Say “Name search” after a beep sounds.

3. Say the full name of the contact card, the first name followed by the last name.

4. If there are similar names, follow step 4 in "Name dialling" on page 165.

5. If you press OK or say nothing for 3 seconds, the phone displays the currently selected contact card.

Opening applications by voice

Anyvoice lets you use your voice to launch applications on your phone. By default, you can launch the applications displayed on the Anyvoice screen by voice. You can customise the application list by adding or removing the applications to be launched by voice.

To open an application by saying the name of the application:

1. Go to **Anyvoice**. The Anyvoice main screen opens and the phone prompts you, saying “Please say a command.”

2. Say “Open” and then the name of the application that you want to open; for example, say “Open Contacts.”

3. If the phone found several applications, follow step 4 in "Name dialling" on page 165.

4. If you press OK or say nothing for 3 seconds, the phone automatically opens the currently selected application.

Customising the application list

To add or remove an application to be launched by voice:

1. Go to **Anyvoice** and select **Options** → **Settings**.

2. Press the Right key to display the application list screen.

3. Select the application you want to add. A check mark displays next to the selected application and the application is added to the application list.

   If you want to cancel the selection, deselect it. A check mark disappears.

   Note: Application names for recognition can be changed by selecting **Options** → **Rename**.

4. When you are finished, press the **Back** soft key.

Synchronising with Contacts

Sychronisation with **Contacts** must be done if contact cards have been changed. **Anyvoice** automatically detects the changes and synchronises with **Contacts**. You can synchronise with **Contacts** manually by selecting **Options** → **Synchronize**.

Changing the voice recognition settings

To change the settings for using the **Anyvoice** application, select **Options** → **Settings**. The Settings screen displays.

- **Time limit**: sets the time limit your phone waits for your voice command. The default setting is 10 seconds.
- **Voice guide**: turns on or off the voice message guiding you through the voice command procedure.
- **Voice volume**: adjusts the volume for the voice guide message.

- **Num. of results**: sets the number of the best candidates the phone will display when there are similar names in **Contacts**.
- **Accuracy level**: adjusts the sensitivity in which your phone recognises a voice command. Change the setting if your phone has difficulty recognising your voice command.

Image print

With **Image print**, you can print images that you taken using the camera on the phone or that you have received in multimedia messages, via Bluetooth or memory card (DPOF). You can retrieve images from **Gallery**.

Press to open the Menu, and then select **Usefulness** → **ImagePrint**.

Note: Your phone supports the following Bluetooth printers:HP Photosmart 325/375/2610/2710/8150/8450, Officejet 7310/7410, and Deskjet 995ck/450wbt.

Printing pictures

You can print pictures as it is or as a sticker.

Printing basic pictures

1. On the Print screen, select **Gallery** to see a list of pictures in the phone's memory. Press the Right key to see the pictures on the memory card, if you use one.

2. Scroll to the picture you want to print.

   If you want to print multiple pictures at one time, scroll to the picture and select **Options** → **Mark/ Unmark** → **Mark**. Repeat the action for all pictures you want to print.

3. You can specify the printing settings, such as image layout or image size. Select **Options** → **Page format**. For details, see page 172.

4. When you have finished, select **Options** → **Print to Bluetooth** or **Print to mem. card**.

5. If you select **Print to Bluetooth**, the Select printer screen displays a list of Bluetooth printers that have been already found. Select the printer you want to use. If no printers have been previously used, you can add the printer to the list by selecting **Options** → **Find printers**. You can change the paper size in which the image is to be printed by selecting **Options** → **Paper size**.

   If you select **Print to mem. card**, the phone writes a DPOF file to the memory card. Remove the memory card from the phone and insert the memory card into a DPOF capable printer for printing. For details about printing to a DPOF capable printer, refer to the printer User's Guide.

Printing stickers

1. On the Print screen, select **Gallery** to see a list of pictures in the phone's memory. Press the Right key to see the pictures on the memory card, if you use one.

2. Select **Options** → **Page format**.

3. Select **Stickers** in **Page format** and select how many copies of the image to print on a page in **Sticker layout**. Press the **Back** soft key.

4. Select the image you want. You can select only one image for sticker printing.

5. After selecting the image, you are asked to add a border to the image. Press the **Yes** soft key to add a border to the image, or the **No** soft key.

6. If you select **Yes** in step 5, you can select a border on the Select border screen.

   If you select **No** in step 5, go to step 8.

7. Scroll to a border by pressing the Left or Right key and press OK or select **Options** → **Select**.

8. When the Select printer screen appears, showing a list of BPP-enabled Bluetooth printers that have been already found, select the printer you want to use.

   If no printers have been previously used, you can add the printer to the list. Select **Options** → **Find printers**.

Changing print settings

You can change the image settings, such as the type of image to be printed, image layout, or image size.

1. On the Select images screen, press the Left key or select **Options** → **Page format**.

2. The following options are available:
   - **Page format**: You can select the type of the image to be printed. If you select **Stickers**, the selected image prints as a sticker.
   - **Image layout**: You can select how many images to print.
   - **Image size**: You can select the image size. This option is only available when you selected **1 Up** from the **Image layout** option.

3. When you finished, press the **Back** soft key.

Info print

With **Info print**, you can print a wide variety of data, such as messages and e-mails, contacts, calendar entries, and notes, via Bluetooth.

Press to open the Menu, and then select **Usefulness** → **Info Print**.

Note: Your phone supports the following Bluetooth printers:HP Photosmart 325/375/2610/2710/8150/8450, Officejet 7310/7410, and Deskjet 995ck/450wbt.

Printing messages

You can print SMS, MMS, and E-mail messages:

- SMS messages are simple text messages without pictures.
- Only JPEG attachments in MMS messages can be printed.
- E-mail text can be printed, but attachments are ignored. To print an image attached to e-mail, first save the image to a file and then print the image.

Printing messages

1. On the Print screen, select **Messaging**.
2. Select the folder where the messages you want are saved. The Email folder only appears when one e-mail message is contained at least.
3. Scroll to the message you want and select **Options** → **Print** to print the message.

   The Select printer screen displays a list of Bluetooth printers that have been already found.
4. You can change the paper size in which the message is to be printed by selecting **Options** → **Paper size**.
5. Select the printer you want to use.

   If no printers have been previously used, you can add the printer to the list. Select **Options** → **Find printers**.

Printing e-mails with attachments

E-mail attachments cannot be printed. However, the body text of an e-mail with attachments may be printed. When selecting an e-mail with attachments for printing, you are asked if you want to continue. Press the **Yes** soft key to print the body text of the e-mail, or the **No** soft key to cancel printing.

If a JPEG image file is attached to e-mail, you can print it by saving as a file.

Printing MMS messages with unsupported attachments

Some types of MMS attachments are not supported for printing. When the selected MMS message contains objects of these types, you are asked if you want to continue. Press the **Yes** soft key to print the parts of the MMS message that are printable, or the **No** soft key to cancel printing.

Printing contacts

You can print contact cards or contact groups stored in **Contacts**.

Printing a contact card

1. On the Print screen, select **Contacts** to see a list of contact cards in the phone’s memory.

2. Scroll to the contact card you want to print.

   If you want to print multiple contact cards at one time, scroll to the contact card and press OK to mark it. Repeat the action for all contact cards you want to print.

3. When you have finished, press the **Print** soft key. The Select printer screen displays a list of BPP-enabled Bluetooth printers that have been already found.

4. Follow from step 4 on page 173.

Printing a contact group

1. On the Print screen, select **Contacts** to see a list of contact cards in the phone's memory.

2. Press the Right key to open the group list.

3. Scroll to the group you want to print.

   If you want to print multiple contact groups at one time, scroll to the group and press OK to mark it. Repeat the action for all contact groups you want to print.

4. When you have finished, press the **Print** soft key. The Select printer screen displays a list of BPP-enabled Bluetooth printers that have been already found.

5. Follow from step 4 on page 173.

Printing calendar entries

You can print calendar entries created in at **Calendar**. All of the entries in a full day you select print at a time.

1. On the Print screen, select **Calendar**.

   The current day displays on the calendar list.

2. Select the date you want to print by pressing the Left or Right key.

   To go to a certain date, select **Options** → **Go to date**. Enter the date and press the **OK** soft key.

3. When you have finished, select **Options** → **Print**. The Select printer screen displays a list of BPP-enabled Bluetooth printers that have been already found.

4. Follow from step 4 on page 173.

Printing notes

You can print notes created in **Notes**.

1. On the Print screen, select **Notes**.

2. Select the note you want to print. The preview screen appears.

3. Select **Options** → **Print**. The Select printer screen displays a list of BPP-enabled Bluetooth printers that have been already found.

4. Follow from step 4 on page 173.

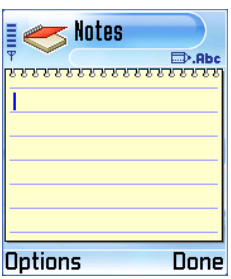
Notes

In **Notes**, you can create notes that are not associated with records in **Calendar**, **Contacts**, or **To-do**. The number of memos you can store depends on the memory available on your phone.

Press to open the Menu, and then select **Extras** → **Notes**.

Creating a note

1. Start entering note text or select **Options** → **New note**. The display for entering note text appears.



2. Complete the note text.

3. When you are finished, press the **Done** soft key. The most recently saved note is placed in the first position, displaying the time the note was made.

Sending notes

You can send notes via text and multimedia messages, and e-mail services, and via Bluetooth. For details, see page 35.

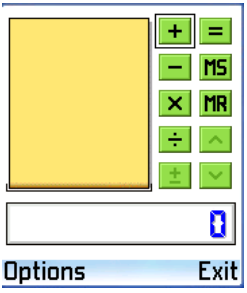
Setting as a Go to item

You can set a note as a Go to item so that you can quickly access it. Scroll to a note and select **Options** → **Add to 'Go to'**.

Calculator

In **Calculator**, you can perform general mathematical functions, such as addition, subtraction, multiplication, and division.

Press to open the Menu, and then select **Extras** → **Calculator**.



1. Enter the first number of your calculation. Press C to erase a mistake in the number.

2. Scroll to the function you want using the Navigation keys and press OK.

3. Enter the second number.

4. To get the result, select =.

Note: **Calculator** has limited accuracy and rounding errors may occur, especially in long division.

Tips for using the calculator

- To insert a decimal, press #.
- To change a function, for example from + to -, press *+ until the function you want is selected on the screen.
- Press C to clear the result of the previous calculation.
- Select **MS** or select **Options** → **Memory** → **Save** to save a number to the memory, indicated by **M**. To retrieve the number from the memory, select **MR** or select **Options** → **Memory** → **Recall**.
- To delete the number from the memory, select **Options** → **Memory** → **Clear**.
- To delete all of the calculations on the sheet, select **Options** → **Clear screen**.
- To retrieve the result of the last calculation, select **Options** → **Last result**.

Converter

In **Converter**, you can convert measurements such as Length from one unit (Yards) to another (Metres).

Press to open the Menu, and then select **Extras** → **Converter**.

Note: **Converter** has limited accuracy and rounding errors may occur.

Converting units

Note: You first need to set the currency rates. See page 181.

1. Select **Type** to open a list of measurement units.
2. Select the measurement type you want to use.
3. Select the first **Unit** field to open a list of available units.
4. Select the unit from which you want to convert.
5. Scroll to the first **Amount** field and enter the value you want to convert.

   Press to add a decimal and press for the **+**, **—** (for temperature), and **E** (exponent) symbols.

6. Select the second **Unit** field and select the unit to which you want to convert.

   The other **Amount** field charges automatically to show the converted value.

Note: The conversion order changes if you enter a value in the second **Amount** field. The result is shown in the first **Amount** field.

Setting a base currency and exchange rates

Before you can make currency conversions, you need to choose a base currency (usually your domestic currency) and enter exchange rates.

Note: The rate of the base currency is always 1. The base currency determines the conversion rates of the other currencies.

1. Select **Currency** as the measurement type and select **Options** → **Currency rates**. A list of currencies opens and you can see the current base currency at the top.

2. To change the base currency, scroll to the currency (usually your domestic currency) and select **Options** → **Set as base curr.**.

   Important: When you change the base currency, all previously set exchange rates are reset to **0** and you need to enter new rates.

3. To enter exchange rates, scroll to the currency, and enter a new rate, that is, how many units of the currency equal one unit of the base currency you have selected. See the example below:

   If you set the Euro (EUR) as the base currency, a United Kingdom Pound (GBP) is approximately 1.63575 EUR. Thus, you would enter 1.63575 as the exchange rate for the GBP.

4. When you have finished, press the **Done** soft key.

5. Press the **Yes** soft key to save the changes.

After you have inserted all necessary exchange rates, you can make currency conversions, see "Converting units" on page 180.

Recorder

Recorder allows you to record telephone conversations and voice memos of up to 1 minute.

Press to open the Menu, and then select **Extras** → **Recorder**.

Notes:
- Obey all local laws governing recording of calls. Do not use this feature illegally.
- **Recorder** cannot be used when a data call or a GPRS connection is active.

Recording a voice memo

1. Press OK to starting recording when highlights. You can also select **Options** → **Record sound clip**.
   - To pause recording, press the **Pause** soft key or select .
   - To resume recording, press the **Record** soft key or select .
2. To stop recording, press the **Stop** soft key or select .

   The recorded sound clip is automatically saved in the **Sound clips** folder in **Gallery**.

After a sound clip has been saved:

- To play back the sound clip, select .
- To fast forward, select .
- To fast rewind, select .
- To change the name of the sound clip, select **Options** → **Rename sound clip**.
- To access previously saved clips, select **Options** → **Go to Gallery**.

You can send sound clips via multimedia message and e-mail services, and via Bluetooth. For details, see page 35.

You can change the saving location from the phone's memory to the memory card by selecting **Options** → **Settings**.

Clock

In **Clock**, you can view the current time and date of your home city, set up the display of the time and date information, and check the time in other cities all over the world. You can also set an alarm to ring at a specified time.

Press to open the Menu, and then select **Extras** → **Clock**.

Viewing world clock

To view the world time in other cities, first you must add the cities you want to the world clock screen.

To add cities:

1. Press the Right key once on the home clock screen.
2. Select **Options** → **Add city**.
3. Scroll through the city list using the Up or Down key.

   Alternatively, enter the first few letters of the country or city. Starting entering letters displays the search field. You can also search the country or city by selecting **Options** → **Find**.

   This will search for countries and cities by their first few letters. For example, entering “p” will match “France, Paris” as well as “Paraguay, Asuncion,” as both contain entries that start with “p.”

4. Select the city you want.

   You can view the current time of the selected city on the world clock screen.

5. Repeat from step 2 to add more cities, if necessary.

You can set a city on the world city list as the home city. The time and date of the selected city displays on the home clock screen. Scroll to the city you want and press **Yes** soft key to change the home city. Select **Options** → **My home city**.

To remove the city from the list, select **Options** → **Remove**.

Changing clock settings

To change the time or date, select **Options** → **Settings** on the home clock or world clock screen.

The following setting options are available:

- **Time**: Enter the current time. If the time format is set to **12-hour**, you can change am/pm by pressing any key, except for ABC, OK, Left or Right key, , or the soft keys.
- **Date**: Enter the current date.
- **Date format**: Select the date display format, either **dd mm yyyy** (day, month, year), **mm dd yyyy** (month, day, year), or **yyyy mm dd** (year, month, day).
- **Date separator**: Select a separator for the date display.
- **Time format**: Select the time format, either **12-hour** or **24-hour**.

- **Time separator**: Select a separator for the time display.
- **Clock type**: Select a clock type to be displayed on the top of the Standby screen and Extend view, either **Analogue** or **Digital**.
- **Autopower**: Select **On** to set the phone to automatically switch on to ring an alarm if the time for the alarm comes while the phone is switched off.
- **Auto time update**: Select **On** if you want the mobile phone network to update the time and date, and time zone information to your phone.The phone reboots,turning itself off and then back on.
- **Daylight-saving**: Select **On** to use daylight savings. The indicator is shown on the home clock screen.

Setting an alarm

Press the Right key twice on the home clock screen. You can set the following alarm modes:

- **Once alarm**: the alarm rings just once and is then deactivated.
- **Daily alarm**: the alarm rings every day at the same time.
- **Morning call**: the alarm rings to wake you up in the morning from Monday to Friday.

To set an alarm:

1. On the Alarm screen, select the type of alarm to be set.

2. Select **Set time**, enter the time for the alarm to sound, and press the **OK** soft key.

3. Select **Alarm sound** and choose an alarm tone.

4. Press the **None** soft key to save your selection.

   The alarm is active and the indicator is shown in Standby mode.

To remove the alarm:

1. On the Alarm screen, select the type of alarm you want to remove.

2. Select **Remove alarm**.

3. When a confirmation message appears, press the **Yes** soft key.

You can also scroll to the type of alarm and select **Options** → **Remove once alarm**, **Remove daily alarm**, or **Remove morning call** on the Alarm screen.

Turning off the alarm

When the alarm time comes, the phone will sound an alarm tone and flash "Once alarm," "Daily alarm," or "Morning call," the alarm icon, and the current time on the display.

- Press the **Stop** soft key.
- Press the **Snooze** soft key or to stop the alarm and cause it after 5 minutes. You can do this a maximum of 5 times.

If the alarm time comes while your phone is switched off, the phone switches itself on and starts sounding the alarm tone. If you press the **Stop** soft key, the phone asks whether you want to activate the phone for calls. Press the **No** soft key to leave the phone switched off or the **Yes** soft key to switch it on.

Note: You can select whether or not the phone rings the alarm tone while the phone is switched off using the **Autopower** option. See page 186.

Memory

If you have a memory card, you can use it to store your multimedia files, such as video clips and sound files, pictures, and messaging information, and to back up information from your phone's memory. For details about inserting the memory card, see page 23.

Press to open the Menu, and then select **Extras** → **Memory**. The display shows information about the currently installed memory card.

Important:
- Keep all memory cards out of the reach of small children.
- After formatting the memory card as FAT32 on your computer, if you insert the card into the phone and access the Memory application, the system will inform you that the memory card is corrupted and ask whether you will format it or not. This is because the system supports only FAT12 and FAT16 formats. Therefore, to use the memory card with your phone, you must format the card as FAT12 or FAT16.

Note: Details on how you can use the memory card with other features and applications of your phone are given in the sections describing these features and applications.

Removing the memory card

To remove the memory card from the phone safely, press and select **Remove mem. card**. Then press the **OK** soft key and remove the memory card. For further details, see page 24

Backing up and restoring information

- You can back up information from your phone's memory to the memory card.

  Select **Options** → **Backup phone mem.**. When a confirmation message appears, press the **Yes** soft key.

- You can restore information from the memory card to the phone's memory.

  Select **Options** → **Restore from card**. When a confirmation message appears, press the **Yes** soft key.

Formatting the memory card

You must format the memory card before you can use it for the first time.

Select **Options** → **Format mem. card**. When a confirmation message appears, press the **Yes** soft key. Once you confirm, formatting starts.

Renaming the memory card

You can change the memory card name. Select **Options** → **Memory card name**. Enter the name you want and press the **OK** soft key.

Setting a memory card password

You can set a password to lock your memory card against unauthorised use.

Notes:
- Once a password for the memory card has been set, devices that do not support a feature related to the memory card password, such as Microsoft Windows, cannot read the card. You first need to remove the password on the phone.
- The password is stored in your phone and you don't have to enter it again while you are using the memory card on the same phone. When you use the memory card on another phone, you are asked for the password.

To set, change, or remove your password:

Select **Options** → **Set password**, **Change password**, or **Remove password**.

For every option, you are asked to enter and confirm your password. The password can be up to 8 characters long.

Important: Once the password is removed, the memory card is unlocked and can be used on another phone without a password.

Unlocking the memory card

When you insert another password-protected memory card in your phone, you are prompted to enter the password of the card.

To unlock the card, select **Options** → **Unlock memory card**. You are asked to enter the password.

Checking memory consumption

Using the **Memory details** option, you can check the memory consumption of different data groups and the available memory for installing new applications or software on your memory card.

Select **Options** → **Memory details**.

Wallet

Wallet provides you with a storage area for your personal information, such as credit and debit card numbers, addresses, and other useful data, for example, user names and passwords.

Press to open the Menu, and then select **Extras** → **Wallet**.

The information stored in the wallet can be easily retrieved while browsing, to automatically fill in online forms on browser pages, for example, when a service asks for credit card details. Data in the wallet is encrypted and protected with the wallet code that you have defined.

You can group wallet data into profiles that can be accessed, for example for making purchases online.

Due to the nature of the wallet, it will automatically close after 5 minutes of inactivity. Enter the wallet code to regain access to the contents. You can change this automatic time-out period, if required. See "Changing Wallet settings" on page 197.

Entering the wallet code

When you open the wallet for the first time, you must create your own access code:

1. Enter a code of your choice (4 - 10 alphanumeric characters), and press the **OK** soft key.

2. You will be prompted to verify the code. Enter the same code and press the **OK** soft key. Do not give your wallet code to anyone else.

Each time you open the wallet you will be prompted for a wallet code. Enter the code that you have created and press the **OK** soft key.

Note: If you enter the wallet code incorrectly on 3 consecutive occasions, the wallet application will be blocked for 5 minutes. The block time increases if further incorrect wallet codes are entered.

Important: If you forget your wallet code, you will have to reset the code, and you will lose all information stored in the wallet. See "Resetting the wallet and wallet code" on page 197.

Storing personal card details

1. Select **Cards** from the Wallet main screen.

2. Select a type of card from the list.
   - **Payment cards**: Credit and debit cards
   - **Loyalty cards**: Membership and store cards
   - **Online acc. cards**: Personal user names and passwords to online services
   - **Address cards**: Basic contact details for home/office
   - **User info cards**: Customised personal preferences for online services

3. Select **Options** → **New card**. The corresponding card form opens.

4. Fill in the fields and press the **Done** soft key.

You can also receive card information directly to the phone from a card issuer or service provider (if they offer this service). You will be notified which category the card belongs to. Save or discard the card. You can view and rename a saved card, but you cannot edit it.

Once you have stored card information, you can open, edit, or delete fields in the cards. Any changes will be saved upon the exiting cards.

Creating a wallet profile

Once you have stored your personal card details, you can combine them together into a wallet profile. Use a wallet profile to send wallet data from different cards and categories to the browser.

1. Select **Wallet profiles** from the Wallet main screen.

2. Select **Options** → **New profile**. A Wallet profile form opens.

3. Fill in the fields, as indicated below.

   Some of the fields must contain data selected from the wallet. You must save the data under the relevant category before creating a wallet profile, or the profile cannot be created.

   - **Profile name**: Choose and enter a name for the profile.
   - **Payment card**: Select a card from the Payment cards category.
   - **Loyalty card**: Select a card from the Loyalty cards category.
   - **Online access card**: Select a card from the Online acc. cards category.
   - **Shipping address**: Select a shipping address from the Address cards category.
   - **Billing address**: By default this is the same as the shipping address. If you require a different address, select a billing address from the Address cards category.

- **User info card**: Select your personal information card from the user info cards category.
- **Receive e-receipt**: Select a destination to which receipts for online transactions are delivered from the Address cards category.
- **Deliver e-receipt**: Select whether or not receipts for online transactions are delivered to a phone number, e-mail address, or both.
- **RFID sending**: Select whether or not your unique phone identification (ID) is sent with the wallet profile (for future development dependent on RFID-based ticketing) to services that require it.

4. When you are finished, press the **Done** soft key.

Viewing ticket details

You can receive notifications of items purchased online via the browser.

Received notifications are stored in the wallet. To view the notifications:

1. Select **Tickets** from the Wallet main screen.

2. Select the ticket you want.

   You can view the validity dates, price, or other information about the ticket.

Note: None of the fields within the notification can be modified.

To delete a ticket, scroll to the ticket and select **Options** → **Delete**.

Creating personal notes

Personal notes are a means of storing sensitive information, for example, a bank account number. You can access the data in a personal note from the browser.

You can also send a note via messaging services. For details, see page 35.

1. Select **Personal notes** from the Wallet main screen.
2. Select **Options** → **New note**. The Personal notes screen opens.
3. Write a note and press the **Done** soft key.
4. Enter the note title and press the **OK** soft key.

Retrieving information from Wallet to your browser

When using online mobile services supporting the wallet functionality, you can upload the data stored in your wallet to automatically enter your details into an online form. For example, by uploading your payment card details you do not need to key in the card number and expiry date each time you need them (depending on the content being browsed). Also, you can retrieve your user name and password stored as an access card when connecting to a mobile service that requires authentication.

Changing Wallet settings

On the Wallet main screen, select **Options** → **Settings**. You can set the following options:

- **Wallet code**: Change your wallet code. You will be prompted to enter the current code, create a new code, and verify the new code.
- **RFID**: Set the phone ID code, type, and sending options (for future development dependent on RFID-based ticketing).
- **Automatic close**: Change the automatic time-out period (1 - 60 minutes). After the time-out period has elapsed, the wallet code must be re-entered to gain access to the contents.

Resetting the wallet and wallet code

To reset both the contents of the wallet and the wallet code:

1. Key in "*#7370925538#" in Standby mode.

2. Enter the phone's lock code, and press the **OK** soft key. See "Security settings" on page 249.

Note: This operation erases all contents of the wallet.

When opening the wallet again, you must enter a new wallet code. See "Entering the wallet code" on page 192.

Viewer

Viewer is a revolutionary product for document browsing on thin-client computing platforms. It allows you to view content on your phone without any file-conversion or loss of content. Simply by using the Navigation keys, you can scroll through your document sideways or vertically to view larger pages on a smaller screen, and zoom in or out to view intricate details or overviews.

To view a document, you must transfer documents from a computer. If you have installed the memory card, you can view the files stored in it.

Viewer supports most common desktop document formats including PDF, Word, Excel, and PowerPoint.

Press to open the Menu, and then select **Usefulness** → **Viewer**. Once it is running, you will see the default blank page.

Viewing a document

1. On the Viewer main screen, select **Options** → **Open file**(*). The Explore view opens. It shows the directories, such as **C** or **E**.

   The "E" directory indicates the installed memory card. The "C" directory indicates your phone's memory.

2. Select the directory you want to open.

   The name of the current folder's path location is shown at the top of the screen and the folders and documents in the selected driver appear.

   Documents look like sheets of paper in various colours, depending on their type. The following document formats are supported:

   Adobe PDF: , Microsoft Word: , Microsoft Power Point: , Microsoft Excel: , Plain Text: .

3. Select the folder or document you want to view.

4. If you select a folder icon, you will be shown the contents of that folder.

   If you select a document icon, it will be opened.

Options in the document view

You can use the following options while viewing a document.

- To rotate the screen 90 degrees counterclockwise, select **Options** → **Page** → **Rotate (9)**.

Note: You can change the direction of the rotation in the **Preferences** option. See page 202.

- To zoom in or out, press the **Mode** soft key until the icon displays on the bottom right of the screen. Press the Navigation keys to zoom in or out.
- To fit the width of the page on screen, select **Options** → **Page** → **Fit to Width (7)**.
- To pan to a different part of the document, press the **Mode** soft key until the icon displays on the bottom right of the screen. Press the Navigation keys to move in the direction you want.
- To navigate pages, if there is more than one page, select **Options** → **Page** → **Goto Page (#)**, **Next Page (3)**, **Previous Page (1)**, **First Page**, or **Last page**.

Keypad shortcuts

In the document view, you can use the following keys:

- 1, 3: navigates to the previous or next page.
- 2, 8, 4, 6: pans up, down, left, or rignt.
- 5, 0: zooms in or out.
- 7: fits to the width of the page.
- 9: rotates the screen.
- *: opens other file.
- #: goes to the page you want to view.

Viewing History

The history view shows you previously visited documents as small thumbnail-images of the document, and the document's name, location, and the date of your visit.

To open the history view, select **Options** → **History**.

- To view information about a document, scroll to the document you want and press the **Info** soft key.
- To return to the most recently displayed document, select **Options** → **Document**.
- To return to any of the documents from the history view, select the thumbnail image of that page.
- To delete all of the documents in the history view, select **Options** → **Clear all**.

Note: Documents will remain on the History list until a certain number of days have passed. You can control this period in the **Preferences** option. See page 202.

Viewing Favourites

For your favourite documents, you can keep a list in the favourites view. This looks similar to the history view, but includes only those pages you have explicitly added. Before viewing favourites, you must first add the pages to your favourites. To open the favourites view, select **Options** → **Favourites**.

- To add the current page to your favourites, select **Options** → **Add favourite**. Enter the name you want and press the **OK** soft key.
- To return to the most recently displayed document, select **Options** → **Document**.
- To view information about a document, scroll to the document you want and press the **Info** soft key.
- To return to one of your favourites, select the thumbnail image of the page.
- To delete one of your favourites, scroll to the thumbnail image of the page and select **Options** → **Delete favourite**.

Changing Viewer settings

Select **Options** → **Preferences**.

You can use the following options:

- **Start from**: Select what is displayed in the document view when you first launch viewer. By default, when you first open the Viewer application, a blank page displays on the screen.

- **Keep history**: Set the period after which the thumbnail pictures and descriptions of pages are purged from the history memory.
- **Rotate**: Select the direction the screen will be rotated when the **Rotate (9)** option is used.

chapter 9

Internet

This chapter describes how to get access to the Internet and how to use the Internet applications.

Your phone has the following browser applications:

- Web - A browser in Wireless Application Protocol (WAP) format for accessing various types of information, entertainment, and other services provided by various WAP operators. WAP is suited to mobile devices with small screen displays and limited amounts of memory. WAP uses mainly text but does support pictures.

To connect to the Internet,

- the wireless network you use must support data calls,
- the data service must be activated for your SIM card,
- you must have obtained an Internet access point from an Internet Service Provider (ISP), and
- you must have defined the proper web browser settings.

Note: Your phone is suited for access to the Internet by default, so that you can easily use the Internet Service. If the Internet browser doesn't work properly, you can download and update the browser settings from your service provider's website.

Your ISP can give you instructions on how to configure the browser settings. Follow the instructions carefully.

Web

Various service providers on the Internet maintain pages specifically designed for mobile phones, offering services such as news and weather reports, banking, travel information, entertainment, and games. With the web browser, you can view these services as web pages written in WML, XHTML pages written in XHTML, or a mixture of both.

Press to open the Menu, and then select **Web**.

Note: Check the availability of services, pricing, and tariffs with your network operator and/or service provider. Service providers can also give you instructions on how to use their services.

Basic steps for accessing the browser service

- Save the settings that are needed to access the web service that you want to use. See the next section "Setting up the phone for the browser service."
- Make a connection to the service. See page 207.
- Start browsing web pages. See page 209.
- End the connection to the service. See page 213.

Setting up the phone for the browser service

Receiving settings in a smart message

You may receive service settings in a special text message, a smart message, from the network operator or service provider that offers the service. See "Receiving smart messages" on page 122. For more information, contact your network operator or service provider.

Tip: Settings may also be available at the website of a network operator or service provider.

Entering settings manually

Follow the instructions given to you by your service provider.

- Go to **Tools** → **Settings** → **Connection** → **Access points** and define the settings for an access point. See "Connection settings" on page 239.
- Go to **Web** → **Options** → **Bookmark manager** → **Add bookmark**. Enter a name for the bookmark and the address of the browser page defined for the current access point.

Making a connection

Once you have stored all the required connection settings, you can access browser pages.

There are three different ways to access browser pages:

- Select the homepage of your service provider,
- Select a bookmark from the Bookmarks view, or
- Press the keys 2abc to 9wxyz to start to enter the address of a browser service. The Go to field at the bottom of the display is immediately activated and you can continue entering the address there. After you have entered the address, press the **Go to** soft key.

Connection security

If the security indicator displays during a connection, the data transmission between the phone and the browser gateway or server is encrypted.

Note: The security icon does not indicate that data transmission between the gateway and the content server (place where the requested resource is stored) is completely secure. It is up to the service provider to secure data transmission between the gateway and the content server.

Viewing bookmarks

A bookmark consists of an Internet address (mandatory), bookmark title, access point, and if the service requires, a user name and password.

Note: Your phone may have some pre-installed bookmarks for sites not affiliated with your phone. Your phone does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any site.

To access the Bookmarks list while browsing, press and hold OK.

To return to the browser view again, select **Options** → **Back to page**.

In **Bookmarks**, you can see bookmarks for different kinds of web pages.

Bookmark status is indicated by the following icons:

- - The starting page defined for the access point. If you use another access point for browsing, the starting page is changed accordingly.
- - The folder of automatic bookmarks. When you have activated the **Automatic bookmarks** option (see page 214), the web pages you have visited will be automatically bookmarked and the bookmarks will be saved in this folder.
- - A folder you created.
- - A default folder. You cannot delete folders of this type.
- - A bookmark.

When you scroll through bookmarks, you can see the address of the highlighted bookmark in the Go to field at the bottom of the display. On the right side of a bookmark title, the data connection type indicator appears.

- G - a packet data (GPRS) connection
- D - GSM data connection

Adding bookmarks manually

1. In the Bookmarks view, select **Options** → **Bookmark manager** → **Add bookmark**.

2. Fill in the fields. Only the address must be defined. The default access point is assigned to the bookmark, if none is selected. Press *+ to enter special characters, such as **/**, **.**, **:**, and **@**.

3. Select **Options** → **Save** to save the bookmark.

Sending bookmarks

You can send a bookmark via text message service. For details, see page 35.

Browsing

On a web page, links appear underlined in blue. Images that act as links have a blue border around them.

Keys and commands used in browsing

- To open a link, press OK.
- To scroll, use the Navigation keys.

- To enter letters and numbers in a field, press 1 to 0. Press * to enter special characters, such as **/**, **.**, **:**, and **@**. Press C to clear characters.
- To go to the previous page while browsing, press the **Back** soft key. If the **Back** soft key is not available, select **Options** → **Navigation options** → **History** to view a chronological list of the pages you have visited during the current browsing session. The history list is cleared each time a session is closed.
- To check boxes and make selections, press OK.
- To retrieve the latest content from the server, select **Options** → **Navigation options** → **Reload**.
- To change the display mode of the browser, select **Options** → **Advanced options** → **Small screen**. To return to the original status, select **Options** → **Advanced options** → **Original screen**.
- To open the Bookmarks screen and search for a bookmark, select **Options** → **Bookmarks**.
- To save a bookmark while browsing, select **Options** → **Save as bookmark**.
- To find a phone number, e-mail address, or URL address from web pages, select **Options** → **Find**.
- To view session and security details of the current browser page, select **Options** → **Details**.

Viewing new service messages while browsing

To download and view new service messages while browsing:

1. Select **Options** → **Advanced options** → **Read service msgs.** (shown only if there are new messages).

2. Select the message you want to download and open.

For more information about service messages, see page 124.

Viewing saved pages

If you regularly browse pages containing information which doesn't change very often, for example a train timetable, you can save and then browse those pages when offline. If you have a memory card, you can save web pages to it, instead of to the phone's memory.

On a web page, select **Options** → **Advanced options** → **Save page** to save the page. Enter the page name and press OK.

The following icons are available on the Saved pages view:

- - A saved web page. In the Saved pages view you can also create folders in which to store your saved web pages.
- - A folder containing saved web pages.

To open the Saved pages view, press the Right key in the Bookmarks view. In the Saved pages view, press OK to open a saved page.

If you want to start a connection to the web service and retrieve the page again, select **Options** → **Reload**.

Note: The phone stays online after you reload the page.

You can arrange the pages into folders by selecting **Options** → **Saved Pages Mngr.**.

Downloading items

You can download items such as ringtones, images, operator logos, and video clips through the mobile browser. You may be charged for downloading items.

Once downloaded, items are handled by the respective applications on your phone; for example, a downloaded picture will be saved in **Images**.

Note: Digital Rights Management (DRM) is a system for protecting the copyright of digital content that is distributed online. Copyright protections may prevent some images, ringtones, and other content from being copied, modified, transferred, or forwarded.

Downloading directly from the web page

1. Scroll to a link and select **Options** → **Open**.
2. Choose the appropriate option to download the item, for example, **Buy** or **Download**.
3. Follow the onscreen instructions.

Using Wallet information for purchasing items

If the online content is compatible, you can use your wallet information to make the purchase:

1. Select **Open wallet**. You will be prompted for your wallet code.
2. Enter the wallet code and press the **OK** soft key.

3. Select the appropriate card category from your wallet.

4. Select **Fill in**. This will upload the selected wallet information.

If the wallet does not contain all information necessary for the purchase, you will be requested to enter the remaining details manually.

Ending a connection

To end a connection to the network:

- Select **Options** → **Disconnect**, or
- Select **Options** → **Exit** to quit browsing and to return to Standby mode.

Emptying the cache

The information or services you have accessed are stored in the cache memory of the phone.

A cache is a buffer memory that is used to store data temporarily.

If you have tried to access or have accessed confidential information requiring passwords (for example, your bank account), empty the cache of your phone after each use. To empty the cache, select **Options** → **Navigation options** → **Clear cache**.

Changing browser settings

Select **Options** → **Settings**.

- **Default access point**: If you want to change the default access point, press OK to open a list of available access points. The current default access point is highlighted. For more information, see "Connection settings" on page 239.
- **Show images**: Choose **Yes** if you want to view pictures when you are browsing. If you choose **No**, you can later load images during browsing by selecting **Options** → **View images**.
- **Font size**: You can choose one of the five text sizes to be used on a web page: **Largest**, **Large**, **Normal**, **Small**, and **Smallest**.
- **Default encoding**: To display text characters correctly on a web page, select the appropriate language type.
- **Automatic bookmarks**: You can turn on or off the automatic completion of address in the Bookmarks view. Once you have activated this option, when you enter an address, the list of the addresses containing the character(s) you entered, which are stored in the **Auto. bookmarks** folder, appears. You can quickly select the address you want.

  To hide the **Auto. bookmarks** folder in the Bookmarks view, select **Hide folder**.
- **Screen size**: You can select how to view web pages. To display the browser on the full screen, select **Full screen**.

- **Rendering**: You can select how to browse the web page. Select:
  - **By speed** to download pages faster, but have with lower image quality.
  - **By quality** to get good image quality while browsing, but a slower page download speed.
- **Cookies**: You can enable or disable the receiving and sending of cookies.
- **Security warnings**: You can enable or disable viewing the security warnings you may get during browsing.
- **Conf. DTMF sending**: The browser supports functions you can access while browsing. You can make a voice call while you are on a web page, send DTMF tones while a voice call is in progress, and save a name and phone number from a web page. Choose whether you want to confirm before the phone sends DTMF tones during a voice call.
- **Wallet**: Select whether or not you use wallet data to fill in forms for online transactions or provide a service with your personal information.

chapter 10

Personalisation

You can customise your phone to suit your preferences and needs by using various tools, such as:

- **Profiles**- sound settings for various environments
- **Themes**- display theme settings
- **Go to**- shortcuts for your favourite menus
- **Mounut**- fun character images to show the frequency of your phone use, among other things.

Profiles

In **Profiles**, you can adjust and customise the phone tones for different events, environments, or caller groups. There are six preset profiles: **General**, **Silent**, **Meeting**, **Outdoor**, **Pager**, and **Offline**, which you can customise to meet your needs.

You can see the currently selected profile at the top of the display in Standby mode. If the General profile is in use, only the current date is shown.

The tones can be the default ringtones, tones received in a message or transferred to your phone via Bluetooth or from a computer, and then saved to your phone.

Press to open the Menu, and then select **Profiles**.

Changing profiles

On the Profiles list, scroll to the profile you want and select **Options** → **Activate**.

You can quickly change the profile by pressing on the right side of the phone. Select the profile you want to activate.

Customising profiles

1. To modify a profile, scroll to the profile on the Profiles list and select **Options** → **Personalise**.

   A list of profile settings opens.

2. Scroll to the setting you want to change and press OK to open the choices:

   - **Ringing tone**: Choose a ringtone for voice calls from the list. If a memory card is used, tones stored on it have the icon next to the tone name.

   Note: You can change ringtones in two places: **Profiles** or **Contacts**. See "Adding a ringtone for a contact card or group" on page 63.

   - **Ringing type**: Select the ringtone type. When **Ascending** is selected, the ringing volume starts from level one and increases to the set volume level.
   - **Ringing volume**: Set the volume level for the ringtone and message alert tones.

- **Message alert tone**: Choose the tone for messages.
- **Chat alert tone**: Choose the tone for chat messages.
- **Vibrating alert**: Set the phone to vibrate at incoming voice calls and messages.
- **Keypad tones**: Set the volume level for keypad tones.
- **Warning tones**: Set phone to sound a warning tone, for example, when the battery is running out of power.
- **Alert for**: Set the phone to ring only upon calls from phone numbers that belong to a selected contact group. Phone calls coming from people outside the selected group have a silent alert. The choices are **All calls** or the list of contact groups, if you have created them. See "Creating contact groups" on page 67.
- **Profile name**: Change a profile name. The General profile cannot be renamed.

3. When you are finished, press the **Back** soft key.

Creating a new profile

You can create a new profile by selecting **Options** → **Create new**. For further details about customising each option, see page 217.

Offline profile

The Offline profile lets you use the phone without connecting to the GSM wireless network to use the phone's applications.

Important:
In the Offline profile, you cannot make any calls, excluding emergency calls, or use other features that require network coverage.

To activate the Offline profile:

On the Profiles list, scroll to **Offline** and select **Options** → **Activate.**

The GSM is turned off and the signal strength indicator is disappeared. All GSM wireless phone signals to and from the device are disabled.

To leave the Offline profile, activate any other profile. When the confirmation message appears, press the **Yes** soft key. The phone re-enables GSM wireless transmissions (providing there is sufficient signal strength).

Theme

In **Themes**, you can change the look of your phone's display by activating a theme. A theme can include the Standby mode wallpaper, colour palette, and background image in **Go to**. Edit a theme for more detailed personalisation.

Press to open the Menu, and then select **Usefulness** → **Themes**. You will see a list of the available themes. The currently active theme is indicated by a check mark. Press the Right key to see the themes on the memory card, if you use one.

Changing themes

To preview a theme, scroll to the theme and select **Options** → **Preview** to view the theme. Press the **Apply** soft key to activate the theme. You can activate the theme without previewing it by selecting **Options** → **Apply** from the Themes main view.

Editing themes

Group together elements from other themes, or images from **Gallery** to personalise themes further.

1. Scroll to a theme and select **Options** → **Edit**.

   You can use the following options:

   - **Wallpaper**: Select an image from one of the available themes, or select your own image from **Gallery**, to use as a background image in Standby mode.

- **Colour palette**: Change the colour palette used on all of the option list fields.
- **Image in 'Go to'**: Select an image from one of the available themes, or select your own image from **Gallery**, to use as a background image in **Go to**.

2. Select the option you want to edit.

3. Change the current setting.

4. When you have finished, press the **Back** soft key.

Restoring themes

You can restore the currently selected theme to its original settings while editing. Select **Options** → **Restore orig. theme**.

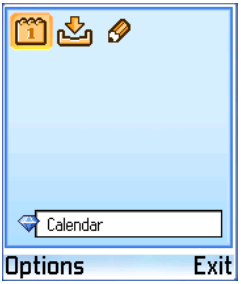
Downloading themes

You can download themes from the web browser. Select **Options** → **Theme downloads**. Then you can enter a URL address or a bookmark for the web site providing you with theme downloads.

Go to

Use **Go to** for storing shortcuts, links to your favourite photos, video clips, notes, sound files, browser bookmarks, and saved web pages.

Press to open the Menu, and then select **Go to**.



You will see the following default shortcuts:

- - opens the day view in **Calendar**.
- - opens the Inbox in **Messaging**.
- - opens the Notes editor.

Adding shortcuts

Shortcuts can be added only from the individual application. Not all applications have this feature.

1. Open the application and scroll to the item that you want to add as a shortcut to **Go to**.

2. Select **Options** → **Add to 'Go to'**.

Note: A shortcut in **Go to** is automatically updated if you move the item it is pointing to, for example, from one folder to another.

Using shortcuts

In **Go to**:

- To open a shortcut, select the icon. The item is opened in the corresponding application.
- To delete a shortcut, scroll to the shortcut you want to remove and select **Options** → **Delete shortcut**. Removing a shortcut does not affect the file it is referring to. You cannot delete the default shortcuts.
- To change the shortcut name, select **Options** → **Edit shortcut name**. Enter the new name. This change affects only the shortcut, not the file or item the shortcut refers to.
- To change the shortcut icon, select **Options** → **Shortcut icon**. Select an icon on the list. You cannot change the default shortcuts' icons.
- To change the order of shortcut items, scroll to an item to move and select **Options** → **Move**. Select the position by pressing the Navigation keys and press the **OK** soft key.
- To change to the list view, select **Options** → **List view**.
- To return to the normal view, select **Options** → **Grid view**.

Mounut

Mounut is a system that shows a fun character expressing an emotion, depending on the frequency of your phone use, i.e., making and receiving calls and messages, adding contact cards or applications, or using the camera. You can also send the character along with your messages to enhance the message.

Press to open the Menu, and then select **Usefulness** → **Mounut**.

Selecting a Mounut character

1. On the Mounut main screen, select **My Mounuts**.

   The currently selected Mounut character displays.

2. Press the Left or Right key to scroll to one of the Mounut characters stored on your phone.

3. Press OK or select **Options** → **Giving life**.

4. Once you have changed the Mounut character, a confirmation message displays to inform you that the emotion status will reset. Press the **OK** soft key to confirm.

5. When you are finished, press the **Back** soft key to exit.

Viewing the emotional status of the Mounut character

1. On the Mounut main screen, select **My Mounuts**. You can view the selected Mounut character.

2. Select **Options** → **Emotion status**.

The display shows the value of the emotion status of your Mounut character with a bar graph. The value of the emotion status changes depending on the frequency of use of the phone. The emotion of the Mounut character is made up of Popularity, Sensibility, and Intelligence.

- **Popularity**: The value of the emotion status increases or decreases depending on the number of sent and received SMS/MMS messages, and incoming or outgoing calls.
- **Sensibility**: The value of the emotion status increases or decreases depending on the frequency in sending or receiving MMS/CB messages, changing themes, taking pictures, and recording videos.
- **Intelligence**: The value of the emotion status increases or decreases depending on the frequency

in adding, deleting, or editing contact cards, receiving SMS messages, sending MMS messages, and installing SIS files.

3. When you are finished, press the **Back** soft key to exit.

Each time the value of the emotion status is changed, the following events happen on your phone:

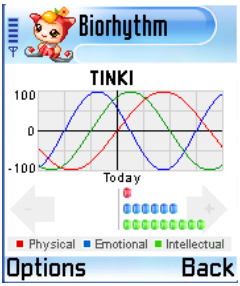
- **Emotion**: Your phone checks the value of the Mounut's emotion twice a day (11:00~13:00 and 17:00~19:00) and displays the emotion of the Mounut character. See page 224.
- **Level changing**: When the total number of the 3 bar graphs exceeds 30, the level of the Mounut character is raised from Level 1 to Level 2. In this case, an animated image showing the change of level appears, and the image of the Mounut character is upgraded. When the total number of the 3 bars drops below 30, the level of the Mounut character returns to the previous level status, Level 1.
- **Ending**: When it has been 100 days since you set up the Mounut character or the level of each bar graph is 20, an ending event happens on your phone. After the ending event, the Mounut character automatically is changed to another one.

Note: You can reset the emotion of the Mounut character. On the Status screen, select **Options** → **Reset emotion**. When a confirmation message appears, press the **OK** soft key. After resetting the emotion, the number of each bar is changed to 6.

Viewing the biorhythms of the Mounut character

1. On the Mounut main screen, select **My Mounuts**. You can view the selected Mounut character.

2. Select **Options** → **Biorhythm**.



You can view the biorhythms of the Mounut character.

3. When you are finished, press the **Back** soft key to exit.

Changing Mounut settings

You can define or edit the general settings of your Mounut system.

1. On the Mounut main screen, select **Settings**.

2. Set the following options:

   - **SMS action**: When selected, your phone informs you when an SMS message is delivered with your Mounut character. Also, by adding action emotions to your SMS message, you can control the Mounut character's behaviour on the recipient’s phone.

     The followings are corresponding emoticons and behaviour;

     - Happy behaviour: **:-)**, **:)**, **:-))**, **:))**

     - Sad behaviour: **:<**, **:(**, **:C**, **:-((**

     - Angry behaviour: **X-(**, **X(**, **:-L**, **:-@**

     - Tired behaviour: **(:|**, **:S**, **:-&**, **:Z**

     If the received SMS message has specified behaviour emoticons, your Mounut character shows the proper behaviour corresponding with the emoticons.

   - **Help**: When selected, your phone shows all help information in your phone with the Mounut character.

   - **Emotion**: When selected, you can view emotion status of the Mounut character with animation and text, twice a day (11:00~13:00 and 17:00~19:00).

   - **Holiday event**: When selected, your phone informs you of the defined holiday, such as May Day, New Year, and Christmas, with the Mounut character.

3. When you are finished, press the **Back** soft key.

Presence

Presence (network service) provides you with enhanced communication services that you can share, for example, with your family, friends, and colleagues using compatible devices. You can share your current presence status with those who have access to the service and request the information. The requested information is shown on the subscribed contacts list in **Contacts**. You can control and personalise the information that you want to share with others, and control the list of persons who can view your presence status.

For the availability of the Presence service, contact your network operator or service provider. You need to access the Presence service before you can share your presence status with others. Other viewers need access to the Presence service and a compatible phone to share your presence status.

Press to open the Menu, and then select **Presence**.

Logging in to the Presence service

To log in to the Presence service, go to **Presence** and select **Options** → **Login**. Enter your user ID and password and press the **OK** soft key.

To disconnect from the service, select **Options** → **Logout**.

Viewing the presence of others

Go to **Presence** and select **Public pres.** → **Options** → **Viewers** → **Public** to view all of the persons who have subscribed to your presence information.

- To add a person to the Private viewers list, scroll to the one you want and select **Options** → **Add to private list**.
- To block allowing a person to view your presence information, scroll to the one you want and select **Options** → **Block**.

To view the list of the people who are allowed to view your personalised presence information, from the Presence main screen, select **Private pres.** → **Options** → **Viewers** → **Private**.

To view all of the people you have blocked from viewing your presence information, from the Presence main screen, select **Blocked pres.** → **Options** → **Viewers** → **Blocked**.

Changing your presence information

You can change your presence status, presence message, and logo to be displayed on the other private viewers' phones.

Go to **Presence** and select:

- **Public pres.** or **Private pres.** → **Options** → **My availability** to set your availability status to **Available** (indicated by), or to **Busy** (indicated by), or to **Not available** (indicated by).

- **Private pres.** → **Options** → **Private message** to set the text to be shown to others. Select **Write message** to enter a new message or select **Previous messages** to select one of the old messages as the status message.
- **Private pres.** → **Options** → **My presence logo** → **On** to personalise an image from the Images folder in **Gallery** or on the memory card, if you use one. To select the default logo of the availability status, select **Off**.

Settings for Presence

Go to **Presence** and select **Options**→ **Settings**.

- **Show presence to** to select the groups with whom you want to share your presence status. Select **Private & public**, **Private viewers**, **Public viewers**, or **No one**.
- **Sync. with Profiles** to select whether you want to link your private message and availability setting to **Profiles**. Note that you cannot link a personalised status logo to a profile. See also "Profiles" on page 216.
- **Server settings** to change the server setting. Note that Presence shares the server with **Chat**. For details, see "Server settings" on page 153.

chapter 11

Settings

You can change various settings for your phone.

Changing the settings

Press to open the Menu, and then select **Tools** → **Settings**.

1. Select a setting group you want to open.

2. Scroll to a setting you want to change and select to
   - switch between options if there are only two (**On**/ **Off**).
   - open a list of options or an editor.
   - open a slider view. Then press the Right or Left key to increase or decrease the value.

Note: You may be able to receive some settings from your service provider in a smart message. See "Receiving smart messages" on page 122.

Phone settings

Select **Tools** → **Settings** → **Phone** to change the general phone settings.

General

- **Phone language**: You can change the language for the display text of your phone. This change also affects the format used for the date and time and the separators used, for example, in calculations. There are three languages installed on your phone. If you select **Automatic**, the phone selects the language according to the information on your SIM card. After you have changed the phone language, you must restart the phone.

Note: Changing the settings for **Phone language** or **Writing language** affects every application in your phone and the change remains effective until you change these settings again.

- **Writing language**: You can change the writing language for writing on your phone. Changing the language affects:

  - the characters available when you press any key (2abc to 9wxyz).

  - the predictive text dictionary used, and

  - the special characters that are available when you press *+ and 1.

  For example, you are using a phone where the phone language is in English but you want to enter all of your messages to French. After you change the language, the special characters or punctuation marks used in the French language are available when you press *+ and 1.

- **Dictionary**: You can turn the Dictionary on or off for all of the editors in the phone. You can also change this setting when you are in an editor. Press [ABC] and select **Dictionary on**, or **Dictionary** → **Insert word** or **Off**.

Note: **Dictionary** is not available for all languages.

- **Welcome note or logo**: The welcome note or logo displays briefly each time you switch on the phone. Select **Default** if you want to use the default image or animation. Select **Text** to enter a welcome note (max, 50 letters). Select **Image** to select an image from **Images** in **Gallery** or on the memory card, if you use one.
- **Orig. phone settings**: You can reset some of the settings to their original values. To do this, you need the lock code. See page 250. After resetting the settings, you must restart the phone.
- **Hotswap by**: You can set how you remove the memory card. If you select **Latch**, you can simply open the card cover and remove the card. If you select **Memory card**, you need to press [ ] and select **Extras** → **Memory** → **Remove mem. card**. You can also press [ ] and select **Remove mem. card**.

Note: All documents and files that you have created are left as they are.

Standby mode

- **Extend view**: You can turn on the extended phone view. When it is on, Standby mode changes to the Extend view and the most recently-accessed applications display so that you can quickly access them. Also, message and scheduler information displays.
- **Left selection key** and **Right selection key**: You can change the shortcuts that appear over the left and right soft keys in Standby mode. In addition to an application, you can have the shortcut point to a function, for example, **New message**.

Note: You cannot create a shortcut to an application that you have installed.

- **Left key**, **Up key**, and **Right key**: You can change the shortcuts assigned to the Left, Right, and Up keys. In Standby mode, you can access specific menu directly using the Navigation keys.

Display

- **Brightness**: Use to change the brightness of the main display and external display by pressing the Left or Right key.
- **Backlight timeout**: A backlight illuminates the main display, external display, and the keypad. When you press any key or open the phone, the backlight turns on and remains on for the backlight time-out period. You can select the length of time the backlight is on.

- **Dimming timeout**: After the backlight is off, your phone enters Dimming mode and then the display is turns off. Select the length of time the Dimming mode remains on.
- **Service light**: The service light is on the front of the phone, on the left side of the camera. It flashes at regular intervals when services are available on the phone. You can turn this service light feature on or off.

External display settings

Select **Tools** → **Settings** → **External disp.** to configure the settings for the external display.

- **Clock**: You can select a type for the clock to be displayed on the external display.
- **Cover display msg.**: This setting is shown only if you select a **Clock** type.You can enter the text displayed on the external display.
- **Wallpaper**: This setting is shown only if you select a **Clock** type.You can select an image from **Gallery** or the memory card, if you use one, to be used as a background image on the external display.

Call settings

Select **Tools** → **Settings** → **Call** to change the call-related settings.

- **Send my caller ID**: This network service allows you to set your phone number to be displayed (**Yes**) or hidden (**No**) from the person whom you are calling. Or, the value may be set by your network operator or service provider when you make a subscription (**Set by network**).
- **Call waiting**: This network service allows the network to notify you of a new incoming call while you have a call in progress. Select **Activate** to request the network to activate call waiting, **Cancel** to request the network to deactivate call waiting, or **Check status** to check if the function is active or not.
- **Automatic redial**: When this setting is activated, your phone makes a maximum of 10 attempts to connect the call after an unsuccessful call attempt. Press to stop automatic redialling.
- **Summary after call**: Activate this setting if you want the phone to briefly display the duration of each call.
- **Speed dialling**: When this setting is activated, the numbers assigned to the speed dialling keys, 2abc to 9wxyz, can be dialled by pressing and holding the corresponding key. See also "Assigning speed dialling keys" on page 62.
- **Connect tone**: Select **On**, and you can hear a tone when your call is connected to the system.

- **Anykey answer**: When this setting is activated, you can answer an incoming call by briefly pressing any key, except and .
- **Active folder**: When this setting is activated, you can answer an incoming call by opening the phone.
- **Msg. alert during call**: When this setting is activated, the phone alerts you to a new message during a call.
- **Side key**: Depending on this setting, the phone mutes the call ringer or rejects an incoming call when you press and hold / .
- **Line in use** (network service): This setting is shown only if the SIM card supports two subscriber numbers, that is two phone lines. Select which phone line (line 1 or line 2) you want to use for making calls and sending short messages. Calls on both lines can be answered, irrespective of the selected line.

Note: You will not be able to make calls if you select Line 2 and have not subscribed to this network service. To prevent line selection, select **Line change** → **Disable** if supported by your SIM card.

Connection settings

Select **Tools** → **Settings** → **Connection** to change the connection settings.

General information about data connections and access points

An access point is the point where your phone connects to the Internet by way of a data call or packet data connection. An access point can be provided, for example, by a commercial Internet service provider for mobile devices, or by a network operator.

To define the settings for access points, press to open the Menu, and then select **Tools** → **Settings** → **Connection** → **Access points**.

A data connection is required to connect to an access point. Your phone supports the following data connections:

- GSM data call ( ).
- Packet data (GPRS) connection ( ).

There are three different kinds of access points that you can define: MMS access point, browser access point, and Internet access point (IAP). Check with your service provider for what kind of an access point is needed for the service you wish to access. You need to set access point settings to:

- send and receive multimedia messages,
- send and receive e-mail,

- browse pages,
- download Java™ applications,
- use image upload, or
- use your phone as a modem.

Data calls

A data call enables data transmission rates to a maximum of 9.6 Kbps. For availability and subscription to data services, contact your network operator or service provider.

Minimum settings needed to make a data call

To insert a set of basic data call settings, press to open the Menu, and then select **Tools** → **Settings** → **Connection** → **Access points** → **Options** → **New access point** → **Use default settings** → **Data bearer**→ **Data call**.

See "Creating an access point" on page 241 for further information.

Packet data (general packet radio service, GPRS)

Packet data, or General Packet Radio Service (GPRS), uses packet data technology where information is sent in short bursts of data over the mobile network. The benefit of sending data in packets is that the network is occupied only when sending or receiving data. Because GPRS uses the network efficiently, it allows for quick data connection set up and fast data transmission speeds.

Minimum settings needed to make a packet data connection

You need to subscribe to the GPRS service. For availability and subscription to GPRS, contact your network operator or service provider.

Press to open the Menu, and then select **Tools** → **Settings** → **Connection** → **Access points** → **Options** → **New access point** → **Use default settings**→ **Data bearer**→ **GPRS**.

See "Creating an access point" on page 241 for further information.

Pricing for packet data and applications

Both the active GPRS connection and the applications used over GPRS require fees, for example, using services, sending and receiving data, and text messages. For more detailed information on fees, contact your network operator or service provider.

Access points

Select **Tools** → **Settings** → **Connection** → **Access points**.

Creating an access point

You may have preset access point settings in your mobile phone. Or, you may receive access point settings in a smart message from a service provider. See "Receiving smart messages" on page 122.

If there are no access points defined when you open **Access points**, you are asked if you want to create one.

If there are access points defined, to create a new access point, select **Options** → **New access point** and select:

- **Use default settings** to use the default settings. Make the needed changes and press the **Back** soft key to save the settings.
- **Use existing settings** to use existing setting information as the basis for the new access point settings. A list of existing access points is opened. Select one. Access point settings are opened with some fields already filled.

Fill in the following fields:

Notes:
- Begin filling in the settings from the top because depending on what data connection you select (**Bearer type**), only certain setting fields are available.
- Follow the instructions given to you by your service provider very carefully.

- **Connection name**: Enter a descriptive name for the connection.
- **Data bearer**: The options are **GPRS** and **Data call**. Depending on what data connection you select, only certain setting fields are available. Fill in all fields marked with **Must be defined** or with a red asterisk. Other fields can be left empty, unless you have been instructed otherwise by your service provider.

Note: To be able to use a data connection, the network service provider must support this feature, and if necessary, activate it for your SIM card.

Tip! Also see "Settings for multimedia messages" on page 137, and "Settings for e-mails" on page 139.

- **Access point name** (for GPRS only): The access point name is needed to establish a connection to the GPRS network. You obtain the access point name from your network operator or service provider.
- **Dial-up number** (for Data call only): The modem telephone number of the access point is needed.
- **User name**: Enter a user name if required by the service provider. The user name may be needed to make a data connection, and is usually provided by the service provider. The user name is often case-sensitive.
- **Prompt password**: If you must enter a new password every time you log on to a server, or if you do not want to save your password to the phone, choose **Yes**.
- **Password**: A password may be needed to make a data connection, and is usually provided by the service provider. The password is often case-sensitive. When you are entering the password, the characters you enter are shown briefly and then changed to asterisks (*).
- **Authentication**: Choose **Normal** or **Secure**.
- **Homepage**: Depending on what you are setting up, enter either:

  - the service address, or

  - the address of the multimedia messaging centre.

- **Data call type** (for Data call only): **Analogue**, **ISDN v.110**, or **ISDN v.120** define whether the phone uses an analogue or digital connection. This setting depends on both your GSM network operator and Internet Service Provider (ISP), because some GSM networks do not support certain types of ISDN connections. For details, contact your ISP. If ISDN connections are available, they establish connections more quickly than analogue methods.
- **Maximum data speed** (for Data call only): The options are **Automatic**, **9600**, and **14400**, depending on what you have chosen in **Data call type**.

Note: The speeds above represent the maximum speed at which your connection can operate. During any given connection, the operating speed may be less, depending on network conditions.

If you select **Options** → **Advanced settings**, you can set the following options:

- **Phone IP address**: Enter the IP address of your phone.
- **Primary name server**: Enter the IP address of the primary DNS server.
- **Second. name server**: Enter the IP address of the secondary DNS server.
- **Proxy serv. address**: Enter the IP address of the proxy server.
- **Proxy port number**: Enter the port number of the proxy server.

Note: If you need to change the settings above, contact your Internet service provider to obtain these parameters.

DNS (Domain Name System) is an Internet service that translates domain names, such as www.samsung.com, into IP addresses, like 211.45.27.231.

The following settings are shown if you have selected **Data call** as the connection type:

- **Use callback**: This option allows a server to call you back once you have made the initial call, so that you have a connection without paying for the call. Contact your service provider to subscribe to this service.

Notes:
- Charges may apply for certain types of received calls, such as roaming calls. Contact your GSM network operator for more information.
- The phone expects the callback call to use the same data call settings that were used in the callback - request call. The network must support that type of call in both directions, to and from the phone.

- **Callback type**: Choose **Use server no.** or **Use other no.**. Ask your service provider for the correct setting to use. This depends on the service provider's configuration.
- **Callback number**: Enter your phone's data phone number for the dial back server to use. Usually, this number is the data call phone number of your phone.

- **Use PPP compression**: PPP (Point-to-Point Protocol) is a common networking software protocol that enables any computer with a modem and a phone line to connect directly to the Internet.
  When set to **Yes**, this option speeds up the data transfer, if supported by the remote PPP server. If you have problems with establishing a connection, try setting this to **No**. Contact your service provider for guidance.
- **Use login script**: Choose **Yes** or **No** to use the login script.
- **Login script**: Insert the login script.
- **Modem initialisation** (Modem initialisation string): This controls your phone using modem AT commands. If required, enter characters specified by your GSM network service provider or Internet service provider.

Editing an access point

When you open Access points, the list of already available access points opens. Select the access point you want to edit.

Deleting an access point

On the list of access points, scroll to the access point you want to remove and select **Options** → **Delete**.

GPRS

The packet data settings affect all access points using a packet data connection.

Select **Tools** → **Settings** → **Connection** → **GPRS**.

- **GPRS connection**: If you select **When available** and you are in a network that supports packet data, the phone registers to the GPRS network and sending text messages is done via GPRS. Also, starting an active packet data connection, for example, to send and receive e-mail, is quicker.

  If you select **When needed**, the phone uses a packet data connection only if you start an application or action that needs it. The GPRS connection is closed once it is not used by any application.

  Note: If there is no GPRS coverage and you have chosen **When available**, the phone periodically tries to establish a packet data connection.

- **Access point**: The access point name is needed when you want to use your phone as a packet data modem for your computer. For more information on modem connections, see the User's Guide for the Internet Access programme included on the supplied Software CD-ROM.

Data call

The data call settings affect all access points using a data call.

Select **Tools** → **Settings** → **Connection** → **Data call**.

Online time: If there are no actions, the data call is dropped automatically after a time-out period. The options are **User defined**, in which case you enter a time, or **Unlimited**.

Configurations

You may receive configuration parameters for network settings by message from your service provider so that you can apply the parameters simply by opening the message. A configuration message can contain the settings for the web browser, chat, multimedia messages, and streaming video services. In this menu, you can access configuration messages you have received.

Select **Tools** → **Settings** → **Connection** → **Configurations**.

Select the configuration message you want to open. To apply the configuration to the corresponding menu, select **Options** → **Save**.

Note: For opening some messages, you may need to enter the PIN code.

Date and time settings

The date and time settings allow you to define the date and time used on your phone, as well as change the date and time format and separators.

Select **Tools** → **Settings** → **Date and time**.

In addition, the following options are available:

- **Clock type**: Choose **Analogue** or **Digital** to change the clock shown in Standby mode.
- **Autopower**: When this option is **On**, set alarms ring at the specified time, even if the phone is switched off.

- **Auto time update**: Choose if you want the mobile phone network to update time, date, and time zone information to your phone (network service).

Note: For the **Auto time update** setting to take effect, the phone needs to be restarted.

- **Daylight-saving**: Turn on or off Daylight Savings Time.

Security settings

Select **Tools** → **Settings** → **Security**.

Phone and SIM

Explanations for the different security codes that may be needed:

- **PIN code** (**4 to 8 digits**): The PIN (Personal Identification Number) code protects your SIM card against unauthorised use. The PIN code is usually supplied with the SIM card.

  After 3 consecutive incorrect PIN code entries, the PIN code is blocked. If the PIN code is blocked, you need to unblock the PIN code before you can use the SIM card again. See the information about the PUK (PIN Unblocking Key) code.

- **PIN2 code** (**4 to 8 digits**): The PIN2 code, supplied with some SIM cards, is required to access some functions, such as call cost counters.

- **Lock code** (**4 to 8 digits**): The security code can be used to lock the phone and keypad to avoid unauthorised use.

Note: The factory setting for the lock code is **00000000**. To avoid unauthorised use of your phone, change the lock code. Keep the new code secret and in a safe place separate from your phone.

- **PUK and PUK2 codes** (**8 digits**): The PUK (PIN Unblocking Key) code is required to change a blocked PIN code. The PUK2 code is required to change a blocked PIN2 code. If the codes are not supplied with the SIM card, contact the operator whose SIM card is in your phone for the codes.

You can change the following codes in the **Phone and SIM** menu: lock code, PIN code, and PIN2 code. These codes can only include numbers from **0** to **9**.

Note: Avoid using access codes similar to emergency numbers, such as 112, to prevent accidental dialling of the emergency number.

- **PIN code request**: When the PIN code request is active, the code is requested each time the phone is switched on. Note that deactivating the PIN code request may not be allowed by some SIM cards.
- **PIN code**/**PIN2 code**/**Lock code**: Open these settings if you want to change the codes.

- **Autolock period**: You can set an autolock period, a time-out after which the phone is automatically locked and can be used only if the correct lock code is entered. Select the length of the time-out from 15 sec, 30 sec, 1 min, and 2 min, or **None** to turn off the autolock period.

Notes:
- When the phone is locked, you may be able to call the emergency number programmed into your phone (e.g., 112 or other official emergency numbers).
- To lock the phone manually, press . From the list of commands, select **Lock phone**.

To unlock the phone, in Standby mode, press the **Unlock** soft key, enter the lock code, and press the **OK** soft key.

- **Lock if SIM changed**: Select **Yes** if you want the phone to ask for the lock code when an unknown, new SIM card is inserted into your phone. The phone maintains a list of SIM cards that are recognised as the owner's cards.

- **Fixed dialling**: You can restrict your outgoing calls to a limited set of phone numbers, if supported by your SIM card. You need the PIN2 code for this function. When this function is active, you can only call those phone numbers that are included on the fixed dialling list.

  To activate the Fixed dialling feature, select **Options** → **Activ. fixed dialling**.

  To add new numbers to the Fixed dialling contacts list, select **Options** → **New contact** or **Add from Contacts**.

Note: When Fixed dialling is activated, calls may be possible to certain emergency numbers in some networks (e.g., 112 or other official emergency numbers).

- **Closed user group** (network service): You can specify a group of people whom you can call and who can call you. For more information, contact your network operator or service provider. Select **Default** to activate the default group agreed on with the network operator, **On** if you want to use another group (you need to know the group index number), or **Off**.

Note: When calls are limited to Closed user groups, calls may be possible to certain emergency numbers in some networks (e.g., 112 or other official emergency numbers).

- **Confirm SIM services** (network service): This allows you to set the phone to display confirmation messages when you are using a SIM card service.

Certificate management

In the Certificate management main view, you can see a list of authority certificates that have been stored in your phone. Press the Right key to see a list of personal certificates, if available.

Authority certificates are used by some services, such as banking services, for checking signature or server certificates or other authority certificates.

Digital certificates are used to verify the origin of browser pages and installed software. However, they can only be trusted if the origin of the certificate is known to be authentic.

User certificates are issued to users by a Certifying Authority.

Digital certificates are needed if you:

- want to connect to an online bank or another site or remote server for actions that involve transferring confidential information, or
- want to minimise the risk of viruses or other malicious software, and be sure of the authenticity of software when downloading and installing software.

Important: Note, however, that even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order for you to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available.

Viewing certificate details - checking authenticity

You can only be sure of the correct identity of a browser gateway or a server when the signature and the period of validity of a browser gateway or server certificate have been checked.

You will be notified on the phone's display:

- if the identity of the browser server or gateway is not authentic or
- if you do not have the correct security certificate in your phone.

To check certificate details, scroll to a certificate and press (OK) or select **Options** → **Certificate details**. The details include the following entries: Label, Issuer, Subject, Validity period, Certificate format, Algorithm, Serial number, and Fingerprint.

Changing the trust settings of an authority certificate

Scroll to an authority certificate and select **Options** → **Trust settings**. Depending on the certificate, a list of the applications that can use the selected certificate is shown.

For example:

- **Symbian installation**: The certificate is able to certify installation of native applications running on Symbian OS, which have an SIS extension.
- **Internet**: The certificate is able to certify Internet servers.
- **App. installation**: The certificate is able to certify installation of any other add-on applications.

Important: Before changing these settings, you must make sure that you really trust the owner of the certificate and that the certificate really belongs to the listed owner.

Call diverting settings

Call diverting is a network service that allows you to direct your incoming calls to another number, for example, to your voicemail server number. For details, contact your service provider.

1. Select **Tools** → **Settings** → **Call divert**.

2. Scroll to one of the following diverting options.
   - **All voice calls**: all calls are diverted.
   - **If busy**: calls are diverted when you are already on another call.
   - **If not answered**: calls are diverted when you do not answer the phone.
   - **If out of reach**: calls are diverted when your phone is out of a service area.
   - **If not available**: calls are diverted when your phone is turned off.
   - **All fax calls**: all fax calls are diverted.
   - **All data calls**: all data calls are diverted.

3. Select **Options** → **Activate** to activate the divert setting. Or, select **Cancel** to deactivate the divert setting or **Cancel all diverts** to cancel all active divert settings.

   To check whether or not diverting is activated, select **Check status**.

4. If you select **Activate**, select where you want to divert your calls to; your voicemail server number or to another number.

5. Enter your voicemail server number or the phone number you want and press the **OK** soft key. The phone sends your setting to the network.

Call barring settings

Call barring is a network service that allows you to restrict the making and receiving of calls with your phone. For this function, you need the barring password, which you can obtain from your service provider.

1. Select **Tools** → **Settings** → **Call barring**.

2. Scroll to one of the following barring options.
   - **Outgoing calls**: calls cannot be made.
   - **International calls**: international calls cannot be made.
   - **International calls except to home ctry.**: When abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.
   - **Incoming calls**: calls cannot be received.

- **Incoming calls when abroad**: calls cannot be received when you are using your phone outside of your home country.

3. Select **Options** → **Activate** to request the network to activate call barring, **Cancel** to deactivate the selected call barring, or **Check status** to check if calls are barred or not.
   - Select **Options** → **Edit barrings passw.** to change the barring password.
   - Select **Options** → **Cancel all barrings** to cancel all active call barrings.
4. Enter the barring password and press the **OK** soft key.

   The phone sends your setting to the network.

Notes:
- When calls are barred, calls may be possible to certain emergency numbers in some networks (e.g., 112 or other official emergency numbers).
- Call barring affects all calls, including data calls.
- You cannot have barring of incoming calls and Call diverting or Fixed dialling active at the same time.

Network settings

Select **Tools** → **Settings** → **Network**.

- **Operator selection**: Choose **Automatic** to set the phone to automatically search for and select one of the cellular networks available in your area, or choose **Manual**, if you want to select the desired network manually from a list of networks. When the connection to a manually selected network is lost, the phone sounds an error tone and asks you to select a network again. The selected network must have a roaming agreement with your home network, that is, the operator whose SIM card is in your phone.

Tip: A roaming agreement is an agreement between two or more network service providers to enable the users of one service provider to use the services of other service providers.

- **Cell info display**: Select **On** to set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology and to activate the reception of cell information.
- **Band selection**: You can use your phone in any of the following networks: GSM 900, GSM 1800, and GSM 1900. To use a network dependant feature, or when you travel abroad, you may need to change the band.

Enhancement settings

You can change the headset or hands-free settings.

Select **Tools** → **Settings** → **Enhancement** → **Headset** or **Handsfree**.

Then select:

- **Default profile** to select the profile you want to be activated each time when you connect the headset to your phone or your phone is used as the hands-free. See "Profiles" on page 216.
- **Automatic answer** to set the phone to answer an incoming call automatically after five seconds when you connect the headset to your phone or your phone is used as the hands-free. If **Ring type** is set to **Beep once** or **Silent**, **Automatic anwser** cannot be used, and you must answer the phone manually.

chapter 12

Managers

This chapter gives you information about using manager applications to allow you to manage multimedia files, add-on applications, and your device.

File manager

In **File manager**, you can browse, open, and manage files and folders in the phone's memory or on the memory card, if you use one.

Press to open the Menu, and then select **Tools** → **File mgr.**.

Open **File manager** to see a list of the folders in the phone memory. Press the Right key to see the folders on the memory card, if you use one.

You can browse, open, and create folders, mark, copy, and move items to folders. See "Actions common to all applications" on page 34.

Viewing memory consumption

If you have a memory card installed on your phone, you will have a choice of two memory views, one for the phone memory and one for the memory card.

1. Press the Left or Right key to move from one memory tab to another.

2. To check memory consumption for the current memory, select **Options** → **Memory details**.

The phone calculates the approximate amount of memory currently in use and free memory for storing data and installing new applications.

In the memory views, you can view the memory consumption of the different data groups: Calendar, Contacts, Documents, Images, Sound files, Video clips, Messages, and Applications.

Note: If the phone's memory capacity is getting low, remove some files, or move them to the memory card, if you use one, or to your computer by using PC Suite.

Application manager

In **Manager**, you can install new Symbian operating system applications (SIS files) and Java™ applications. You can also update and uninstall applications from the phone, and monitor installation history.

Press to open the Menu, and then select **Tools** → **Manager**.

When you open **Manager**, you can see a list of:

- installation packages that have been saved to the phone's memory (indicated by),
- partially installed applications, and
- fully installed applications that you can remove.

Notes:
- You can only use Symbian operating system applications with an SIS extension.
- Your phone supports J2ME™ Java applications. Do not download PersonalJava™ applications to your phone as they cannot be installed.

General information for installing applications

You can install applications that are specifically intended for this phone and suitable for the Symbian operating system.

Note: If you install an application that is not intended specifically for this phone, it may function and look different from what was originally intended.

Applications may be downloaded to your phone during browsing, received as attachments in multimedia messages or e-mails, or received via Bluetooth from another compatible device, for example, a phone or a computer. If you are using PC Suite to transfer an application, place it in the **Installed files** folder in **File manager**.

Important: Only install software from sources that offer adequate protection against viruses and other harmful software.

To increase protection, the application installation system uses digital signatures and certificates for applications. Do not install the application if Application manager gives a security warning during installation.

Important: If you install an application that contains an update or repair to an existing application, you can only restore the original application if you have the original application or a full back-up copy of the removed application. To restore the original application, first remove the updated or repaired application and then install again from the original application or the back-up copy.

During installation, the phone checks the integrity of the application to be installed. The phone shows information about the checks being carried out and you are given options whether to continue or cancel the installation. Once the phone has checked the integrity of the application, it is installed on your phone.

Installing applications

Open **Manager**, scroll to an application installation package, and select **Options** → **Install** to start the installation.

Alternatively, search the phone's memory or the memory card, select an application. The installation starts.

Some applications may give the option of partial installation, allowing you to select the particular components of the application that you want to install. If you are installing an application without a digital signature or a certificate, the phone warns you of the risks. Continue the installation only if you are absolutely sure of the origin and contents of the application.

Installing Java™ applications

The .JAD/JAR file is required for installation. If you have .JAD/JAR files, you can directly install by selecting .JAD/JAR files in the File manager or Application manager. If it has been removed from the phone, you can download files from push messages or web page of various contents supplier, manufacture, and operator. If there is no access point defined for Application manager, you will be asked to select one. When you are downloading the .JAR file, you may need to enter a user name and password to access the server. You obtain these from the supplier or manufacturer of the application.

Java settings

To change the security settings that determine the actions that a Java application is permitted to do, select **Options** → **Settings**.

Note: Not all Java applications permit you to change the security settings.

Removing applications

1. Scroll to an application and select **Options** → **Remove**.

2. Press the **Yes** soft key.

If you remove an application, you can re-install it only when you have the original application or a full backup of the removed application.

Once you have removed an application, you may no longer be able to open documents created with that application. If another application depends on the application that you removed, the other application may stop working. Refer to the documentation of the installed application for details.

Note: To send your installation log to a help desk so that they can see what has been installed or removed, select **Options** → **Send log** → **Via text message** or **Via e-mail** (available only if the correct e-mail settings are in place).

Device manager

Device manager allows a third party, such as your service provider, to assist you directly with phone settings. To allow device management, your phone must establish a connection and synchronise with the third party's server. You can start a configuration session from your phone, and you can accept or reject server-initiated synchronisation attempts.

This feature is operator dependent and may not be available on all phones. Contact your service provider for information and availability.

Press to open the Menu, and then select **Tools** → **Dev. mgr.**.

Creating a new profile

A device manager profile must be defined before you are connected to a server. The third party who is assisting you can help define the profile settings

When you open **Device manager**, you are asked if you want to create a new server profile. Press the **Yes** soft key. You can set up the following options:

- **Server name**: Device manager server name.
- **Server ID**: Remote device manager server ID.
- **Server password**: Password used in server alerts. Enter the password that must be provided by the device manager server when synchronising with your phone.

- **Access point**: Internet access point your phone uses to establish the server connection. Choose from the list of access points defined in your phone.
- **Host address**: Device management server URL.
- **Port**: Device management server port.
- **User name**: Your user name for this profile.
- **Password**: Your password for this profile.
- **Allow configuration**: Device management allowed on this server, select **Yes** or **No**.
- **Auto-accept all reqs.**: Automatic or approved device management on this server. Select **Yes** to allow synchronisation without your verification, or select **No** to verify each synchronisation attempt.

To add a new profile, from the Device manager main screen, select **Options** → **New server profile**.

Starting a configuration

To start a configuration session, select **Options** → **Start configuration**. To disable or enable configurations from the server, select **Options** → **Disable config.**/**Enable config.**.

chapter 13

Connectivity

You can transfer data from your phone to a compatible device, for example, a phone or computer, via Bluetooth or a PC data link cable.

Bluetooth connections

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange data over a distance of about 10 meters (30 feet) without requiring a physical connection.

Using Bluetooth, you can send or receive data, such as business cards and calendar notes, to and from devices.

Notes:
- Some devices may not be compatible with your phone.
- If there are obstacles between the devices, the maximum operating distance may be reduced.

Setting up Bluetooth

To use a Bluetooth connection, press to open the Menu, and then select **Connect.**→ **Bluetooth**. You are asked to give a name to your phone, if you don't change the default name.

You can access various Bluetooth functions. The following options are available:

- **Bluetooth**: Activate or deactivate the Bluetooth feature. When this option is set to **On**, the Bluetooth icon appears in Standby mode.

- **My phone's visibility**: Select **Shown to all** to allow other Bluetooth devices to search for your phone or select **Hidden** to set your phone to be hidden from other Bluetooth devices.
- **My phone's name**: Change your phone's Bluetooth device name, which is displayed on other devices. The name can be up to 30 characters.

Searching for and pairing with a Bluetooth device

1. On the Bluetooth screen, press the Right key to move to the Paired devices screen.

2. Select **Options** → **New paired device** to search for a new device.

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

   If you want to stop searching, press the **Stop** soft key.

3. Select a device with which to connect.

   After searching for connectable devices, a list of devices you can connect to displays. The following icons on the left of the devices indicates the type of device it is:

   - : for a mobile phone
   - : for a Bluetooth device
   - : for a computer
   - : for a headset, hands-free and car kit

4. Enter a Bluetooth PIN and press the **OK** soft key. 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.

Note: Pairing means authentication. The users of Bluetooth-enabled devices must agree on the Bluetooth PIN, and use the same code for both devices in order to pair them. Some devices, especially headsets, hands-free and car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has one, you must enter the code.

When the pairing is complete, you are asked to set the device to be authorised. Press the **Yes** soft key to confirm, or the **No** soft key.

Using device options

When you press the **Options** soft key on the Paired devices screen, you can access the following options from the device list:

- **New paired device** to search for other devices to pair with.
- **Connect**/**Disconnect**: to connect the headset, hands-free and car kit to your phone, or end the connection.
- **Assign short name** to assign a short name to a device.

- **Set as authorised**/**Set as unauthorised** to set whether or not the phone asks you to permit connection when specific devices try to connect to your phone. If you set a device as authorised, the icon is added next the device on the Paired devices list.
- **Delete** to delete the device.
- **Delete all** to delete all devices.

Receiving data via Bluetooth

Before receiving data, make sure that your phone's Bluetooth feature is active. When receiving data via Bluetooth, you are asked if you want to accept the data. If you accept it, the item is placed in the **Inbox** folder in **Messaging**. Messages received via Bluetooth are indicated by or , depending on the message type. See page 119.

Sending data via Bluetooth

1. Make sure that the Bluetooth feature is active.

2. Locate the item you want to send in an application, such as Calendar, Contacts, Camera, Camcorder, or File Manager.

3. Scroll to the item.

4. Select **Options** → **Send** → **Via Bluetooth**.

   If the device to which you want to send does not appear on the list, search for and pair with the device by proceeding from step 2 on page 269.

The phone searches for devices within range and displays a list of available devices. Paired devices are shown with .

5. Select the device from the list.

6. If necessary, enter your PIN and press the **OK** soft key.

   The item is sent to the device you selected.

PC Suite

For further information on how to make a connection to a compatible computer via the Bluetooth device or using a PC data link cable, and how to install the PC Suite for the Samsung SGH-D730, see the PC Suite Install Remove Manual on the CD-ROM. You can find it in the "Software for PC" section. For further information on how to use the PC Suite for the Samsung SGH-D730, see the PC Suite online help.

Installing PC Suite

1. Insert the PC Link CD into the CD-ROM drive of your compatible computer.

   The CD-ROM should launch itself. If not, proceed as follows:

   a. Click the **Start** button on the Windowns and select **Programs** → **Windows Explorer**.

   b. On the CD-ROM drive, locate a file named **Setup** and double-click it. The CD-ROM interface opens.

2. Double-click **PC Suite for Samsung SGH-D730** in the "Software for PC" section.

3. Follow the instructions on the installation wizard screen.

   The wizard will guide you through the installation process.

System requirement

To install and run the Samsung PC Suite application on your PC, you need the following:

- Windows 2000/XP.
- at least 150 MB of free disk space.

To connect your phone and a compatible PC, you need one of the following connection sets:

- an infrared port.
- a USB cable (PC Data Link Cable) and USB port.

To access Bluetooth devices from a compatible PC, you need one of the following Bluetooth stacks on your PC:

- Microsoft Windows XP Bluetooth.
- WIDCOMM Bluetooth for Windows 2000/XP (BTW 1.4.x, BTW 3.x.x.x).
- Toshiba Bluetooth Stack for Windows 2000/XP.
- IVT Bluetooth Stack for Windows 2000/XP.

To synchronise Bluetooth devices with a compatible PC, you need the following Bluetooth stack on your PC.

- WIDCOMM Bluetooth for Windows 2000/XP (BTW 1.4.x, BTW 3.x.x.x).

Remote synchronisation

The **Sync** application enables you to synchronise your calendar, notes, or contacts with various calendar and address book applications with other devices via Bluetooth, or on the Internet. Synchronisation takes place over a GSM data call or packet data connection.

Sync uses SyncML technology for synchronisation. For information on SyncML compatibility, please contact the supplier of the calendar, notes, or address book application with which you want to synchronise your phone data.

Press to open the Menu, and then select **Connect.** → **Sync**.

Creating a new synchronisation profile

1. If no profiles have been defined, the phone asks you if you want to create a new profile. Select **Yes**.

   To create a new profile in addition to existing ones, select **Options** → **New sync profile**. Choose whether you want to use the default setting values or copy the values from an existing profile to be used as the basis for the new profile.

2. Define the following:

   - **Sync profile name**: Enter a name for the profile.
   - **Data bearer**: Select **Web** to synchronise with a server on the Internet. Select **Bluetooth** to synchronise with a Bluetooth device. Depending on what synchronisation method you select, only certain setting fields are available.

- **Access point** (for Web only): Select the access point you want to use for the data connection.
- **Host address**: Enter the URL address of the server on the Internet. Contact your service provider or system administrator for the correct values.
- **Port** (for Web only): Enter the port number of the server. Contact your service provider or system administrator for the correct values.
- **User name**: Enter your user ID for the synchronisation server. Contact your service provider or system administrator for your correct ID.
- **Password**: Enter your password. Contact your service provider or system administrator for the correct password.
- **Allow sync requests**: You can set whether or not you accept synchronisation request received from this server.
- **Accept all sync reqs.**: You can set whether or not your phone ask for your confirmation before accepting synchronisation from this server.

3. Press the Right key and define which applications will be synchronised, **Contacts**, **Calendar**, and/or **Notes**.

4. Enter a correct path to the remote database of the selected application on the server and select the direction of synchronisation.

5. Press the **Back** soft key twice to save the settings.

Synchronising data

In the Sync main view, you can see the different profiles, and what kind of data will be synchronised: **Calendar**, **Contacts**, **Notes**, or all.

Synchronising data with a server

1. In the Sync main view, scroll to a profile and select **Options** → **Synchronise**. The status of the synchronisation is shown at the bottom of the screen.

   To cancel synchronisation before it has finished, press the **Cancel** soft key.

2. You are notified when the synchronisation has been completed.

After synchronisation is complete, select **Options** → **View log** to open a log file showing the synchronisation status (complete or incomplete) and how many calendar, notes, or contact entries have been added, updated, deleted, or discarded (if not synchronised) in the phone or on the server.

Synchronising data via Bluetooth

1. In the Sync main view, scroll to a profile and select **Options** → **Synchronise**.

2. The phone searches for devices within range and displays a list of available devices. Paired devices are shown with .

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

   If you want to stop searching, press the **Stop** soft key.

3. Select a device with which you want to synchronise. The status of the synchronisation is shown at the bottom of the screen.

   To cancel synchronisation before it has finished, press the **Cancel** soft key.

Connection manager

In **Connection manager**, you can identify the status of multiple data connections, view details on the amount of data sent and received, and end unused connections.

Press to open the Menu, and then select **Connect.** → **Conn. mgr.**.

Note: You can view details of data connections only. Voice calls are not listed.

When you open **Connection manager**, you will see a list of:

- open data connections, D - Data call, G - GPRS
- the status of each connection, or
- the amount of data uploaded and downloaded for each connection or
- the duration of each connection.

Note: The actual time invoiced for calls by your service provider may vary, depending upon network features, rounding-off for billing, and so forth.

Viewing connection details

To view the details of a connection, scroll to a connection and select **Options** → **Details**.

The following is displayed:

- **Name**: the name of the Internet access point (IAP) in use, or **Modem connection** if the connection is a dial-up connection.
- **Bearer**: the type of data connection; Data call or GPRS.
- **Status**: the current status of the connection.
- **Received**: the amount of data, in bytes, received by the phone.
- **Sent** - the amount of data, in bytes, sent from the phone.
- **Duration**: the length of time that the connection has been open.
- **Speed**: the current speed of both sending and receiving data in kB/s (kilobytes per second).
- **Dial-up** (Data call): the dial-up number used, or **Name** (GPRS) - the access point name used.
- **Shared** (not shown if the connection is not shared): the number of applications using the same connection.

Ending connections

Scroll to a connection and select **Options** → **Disconnect** to end that connection only. Press the **Yes** soft key to confirm.

Appendix A: Troubleshooting

General problems

"Insert SIM card" displays

- Check that the SIM card has been correctly installed.

"No network coverage," "Unable to connect. No network coverage." or "Message sending failed" displays

- The network connection has been lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

The bars above disappear

- If you have just turned on your phone, wait about 2 minutes, until your phone finds the network and receives a signal from the network.
- If you are in a tunnel or in an elevator, the phone may not be able to receive the network signal properly. Move to an open place.
- This may appear when you move between different service areas. It is normal.

The display is not clear

- In direct sunlight, you may not see the display clearly. Moving to a place with different lighting should solve this problem.

White lines appear on the display

- This may happen if you turn on the phone after a long period of disuse, or after removing the battery without turning off the phone. This is not related to the phone's life or performance. The display should correct itself shortly.

"Locked" displays

- The automatic locking feature has been enabled. You must press the **Unlock** soft key and enter the lock code before you can use the phone. To disable this feature, go to **Tools** → **Settings** → **Security** → **Phone and SIM** and set **Autolock period** to **None**.

"PIN code" appears

- You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.
- The PIN check feature has been enabled. Each time the phone is switched on, the PIN has to be entered. To disable this feature, go to **Tools** → **Settings** → **Security** → **Phone and SIM** and set **PIN code request** to **Off**.

"PUK code" appears

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

I forgot the lock, PIN, or PUK codes

- The default lock code is **00000000**. If you forget or lose the lock code, contact your phone dealer. If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your network provider. For information about passwords, contact your access point provider, for example, a commercial Internet Service Provider (ISP), service provider, or network operator.

Call problems

I have entered a number but it was not dialled

- Have you pressed ?
- Check if your wireless connection to your mobile service provider is switched on and the signal from the **GSM** network is unobstructed.
- You may have set an outgoing call barring option.

My correspondent cannot reach me

- Is your phone switched on?
- Check if your wireless connection to your mobile service provider is switched on and the signal from the **GSM** network is unobstructed.

- You may have set an incoming call barring option.

My correspondent cannot hear me speaking

- Have you switched off the microphone?
- Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

The audio quality of the call is poor

- Adjust the voice volume by pressing .
- 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.

Calls to and from the phone are not connected properly, and are easily disconnected.

- Signals from the network are weak. Move to another area.
- Touching the antenna may lower the call quality. Be careful not to touch the antenna while using the phone.

Power and charging problems

"Battery low" appears on the display

- Your battery is insufficiently charged. Recharge the battery.

While charging, the LED on the travel charger blinks

- Disconnect the phone from the travel charger, remove the battery, and then replace it. Try charging again.
- If the problem persists, clean the metal contacts on the battery and the phone.
- If the actions above do not clear the problem, contact a Samsung service representative.

The phone malfunctions or does not function

- Remove the battery and then replace it. Turn on the phone. If the problem persists, contact a Samsung service representative.

The LED on the travel charger turns to yellow

- The travel charger is overheated. Disconnect the charger from the phone or unplug it from the power outlet. Wait until the charger cools down and then recharge the phone.

The battery's standby time is shorter than expected

- Batteries are subject to wear and tear. Standby time may grow shorter as time passes.
- Leaving the fully charged battery in a cold or hot place for a long period of time may reduce battery life.
- Standby time depends on where you use the phone. The actual time may differ from the battery's specifications.

Is it OK if I leave the phone connected to the power outlet after it is fully charged (indicated by the green LED on the charger is on)

- We recommend that you disconnect the phone from the charger or unplug the charger from the power outlet.

The phone becomes hot

- This may happen when you are on the phone or when you use applications, such as games, the Internet, or the camera, because the phone needs more power at those times. This does not affect the phone's life and performance.

The battery level seem sufficient, but the phone does not turn on

- Remove the battery from the phone and reinstall it. Then turn on the phone.
- Clean the metal contacts both on the battery and on the phone. Reinstall the battery and turn on the phone.

The phone turns off when the charger is connected

- Some dust on the contacts may cause unexpected power-off or charging problems. Clean the metal contacts both on the battery and on the phone.

Application problems

"Not enough memory to perform operation. Delete some data first." or "Memory low. Delete some data." displays

- To view what kind of data you have and how much memory the different data groups consume, go to **Tools** → **File manager** and select **Options** → **Memory details**. Delete old items from applications. If necessary, make a backup copy of your data using PC Suite or the memory card.

Browser

"No valid access point defined. Define one in Services settings." displays

- Insert proper browser settings. Contact your service provider for instructions.

The phone is unable to connect to the Internet

- Check if you have set up and are connected to an Internet service provider.
- Check if your wireless connection to your mobile service provider is switched on and the signal from the GPRS network is unobstructed.
- Verify with your service provider that your user name and password are correct.
- Verify with your Internet service provider that the network you are trying to connect is available, or try to connect it from another PC.

Calendar - Week numbers are missing

- If you have changed the Calendar settings so that the week starts on a day other than Monday, the week numbers will not be shown.

Camera - Images seem smudged

- Check that the camera lens protection window is clean.

Contacts - No number is dialled when you recall a contact card

- Check that a number has been stored in the contact card.
- Re-store the number, if necessary.

Bluetooth

I cannot end a Bluetooth connection

- If another device is connected to your phone, you can either end the connection using the other device or by deactivating Bluetooth. Go to **Bluetooth** and select the setting **Bluetooth** → **Off**.

I cannot find my friends Bluetooth-enabled device

- Check that both have activated Bluetooth.
- Check that the distance between the two devices is not over 10 metres or that there are no walls or other obstructions between the devices.
- Check that the other device is not in **Hidden** mode.
- Check that both devices are compatible.

Log- The log appears empty

- You may have activated a filter, and no communication events fitting that filter have been logged. To see all events, select **Options** → **Filter** → **All communication**.

Messaging - I cannot select a contact card when creating a message

- If the contact card does not have a phone number or e-mail address, you cannot select it. Add the missing information to the contact card in **Contacts**.

PC connectivity- Problems occur when connecting the phone to a PC.

- Make sure that PC Suite is installed and running on your PC. See the User's Guide for PC Suite on the CD-ROM. For further information on how to use PC Suite, see the help function on PC Suite or visit www.samsungmobile.com.

Application does not respond

- Open the application switching window by pressing and holding . Then scroll to the application and press C to close the application. Open it again.

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.