  - *Defer retrieval* - To let the multimedia messaging centre save the message to be retrieved later. To retrieve the message, set *On receiving msg.* to *Retr. immediately*.
  - *Reject message* - To reject multimedia messages. The multimedia message centre deletes the messages.
- *Allow anon. messages* - Select *No* to reject messages coming from an anonymous sender.
- *Receive adverts* - Define whether you want to allow reception of multimedia message advertisements or not.
- *Reports* - Set to *Yes*, if you want the status of the sent message (*Pending*, *Failed*, *Delivered*) to be shown in the Reports.
- *Deny report sending* - Choose *Yes*, if you do not want your phone to send delivery reports of received multimedia messages.
- *Message validity* (network service) - If the recipient of a message cannot be reached within the validity period, the message is removed from the multimedia message centre. *Maximum time* is the maximum amount of time allowed by the network for which the message remains valid.
- *Image size* - Define the size of the image in a multimedia message. The options are: *Small* (max. of 160x120 pixels) and *Large* (max. 640x480 pixels).
- *Default speaker* - Choose *Loudspeaker* or *Handset*, depending on whether you want the sounds in a multimedia message to be played through the loudspeaker or the earpiece.

The default setting of the multimedia message service is generally on.

The appearance of a multimedia message may vary depending on the receiving device.

E-mail messages

➡ Go to **E-mail**.

Open *Mailbox in use* to select which mailbox you want to use.

Settings for Mailboxes

Options when editing e-mail settings: *Editing options*, *New mailbox*, *Delete*, *Help*, and *Exit*.

Select *Mailboxes* to open a list of defined mailboxes. If no mailboxes have been defined, you are prompted to do so. The following list of settings is shown (this information is available from your e-mail service provider):

- *Mailbox name* - Write a descriptive name for the mailbox.
- *Access point in use* (Must be defined) - The Internet Access Point (IAP) used for the mailbox. Choose an IAP from the list. See "Connection settings" on page 90.
- *My e-mail address* (Must be defined) - Write 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) - Write the IP address or host name of the computer that sends your e-mail.
- *Send message* (network service) - Define how e-mail is sent from your phone. *Immediately* - The phone tries to connect to the mailbox immediately after you have selected *Send*. *During next conn.* - 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 remote mailbox and to the address defined in *My e-mail address*.
- *Include signature* - Select *Yes* to attach a signature to your e-mail messages and to start to write or edit a signature text.
- *User name:* - Write your user name, provided by your service provider.
- *Password:* - Write your password. For increasing security, you can leave this field blank, so that every time you try to connect to your remote mailbox, you are prompted for the password Otherwise the password is sent automatically.
- *Incoming mail server:* (Must be defined) - The IP address or host name of the computer that receives your e-mail.
- *Mailbox type:* - Defines the e-mail protocol your remote mailbox service provider recommends. The options are *POP3* and *IMAP4*.

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

- *Security* - Used with the POP3, IMAP4, and SMTP protocols to secure the connection to the remote mailbox.
- *APOP secure login* - Used with the POP3 protocol to encrypt the sending of passwords to the remote e-mail server. Not shown if IMAP4 is selected for *Mailbox type:*.
- *Retrieve attachments* (not shown if the e-mail protocol is set to POP3) - To retrieve e-mail with or without attachments.
- *Retrieve headers* - To limit the number of e-mail headers you want to retrieve to your phone. The options are *All* and *User defined*. Used with the IMAP4 protocol only.

Service messages

Go to **Service message**. The following list of settings opens:

- *Service messages* - Choose whether or not you want to allow reception of service messages.
- *Authentic. needed* - Choose to receive service messages only from authorised sources.

Cell broadcast

Check with your service provider whether Cell broadcast (network service) is available and what the available topics and related topic numbers are.

Go to **Cell broadcast** to change the settings:

- *Reception* - *On* or *Off*.
- *Language* - *All* allows you to receive cell broadcast messages in every possible language. *Selected* allows you to choose in which languages you wish to receive cell broadcast messages. If the language you prefer could not be found in the list, select *Other*.
- *Topic detection* - If you receive a message that does not belong to any of the existing topics, *Topic detection*→*On* allows you to save the topic number automatically. 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 the Other folder

Go to Other. The following list of settings opens:

- *Save sent messages* - Choose to save a copy of every text message, multimedia message, or e-mail that you have sent to the Sent items folder.
- *No. of saved msgs.* - Define how many sent messages are saved to the Sent items folder at a time. The default limit is 20 messages. When the limit is reached, the oldest message is deleted.
- *Memory in use* - Define the memory store. The choices are the phone's memory or the memory card, if one is used.

Chat

Go to Menu→Chat.

Options in the Chat main view are: *Open*, *Login*, *Logout*, *Settings*, *Help*, and *Exit*.

Chat (network service) allows you to converse with other people using instant messages, and join discussion forums (chat groups) with specific topics. Once you have registered with a chat service, you can log into the service provider's chat server.

Check the availability of chat services, pricing, and tariffs with your network operator and/or service provider. Service providers also give you instructions on how to use their services.

To access a chat service you need to save the settings for that service. You may receive the settings from the network operator or service provider that offers the service. See "Receiving smart messages" on page 64. You can also key in the settings manually. See "Chat and Presence servers" on page 80.

Connecting to a chat server

Go to Menu→Chat.

1. The phone automatically tries to connect to a chat server. You can change the chat server to connect to. See "Chat and Presence servers" on page 80.
2. Once the connection has been established, key in your user ID and password and press , or press *Cancel* to stay offline. When you are offline, your phone is not connected to the chat server and you cannot send or receive messages. To log in later, select **Options**→*Login*.

   You obtain the user ID and password from your service provider.

To log out, select **Options**→*Logout*.

Modifying your chat settings

Go to **Options**→**Settings**→**Chat settings**.

- *Use screen name* - Select *Yes* to key in a nickname (max. 10 characters).
- *Chat presence* - Prevent others from seeing if you are online, select *Not active*.
- *Allow messages from* - Select *All*, *From chat contacts* or *None*.
- *Allow invitations from* - Select *All*, *From chat contacts* or *None*.
- *Message speed* - Select the speed at which new messages are displayed.
- *Availability reloading* - Choose how to update information about whether your chat contacts are online or offline. Select *Automatic* or *Manual*.
- *Reload availab. for* - Select *All contacts* or *Selected contacts*.

Joining and leaving a chat group

Go to **Menu**→**Chat**→**Chat groups**.

A list of chat groups that you have saved or are currently joined to is shown. The icon next to a group indicates what type it is:

- - A group that you have created and are currently joined to.
- - A group that you have created but are not currently joined to.
- - A group that you have saved and are currently joined to.

r1024_en.book Page 76 Thursday, July 8, 2004 12:40 PM

- - A group that you have saved but are not currently joined to.

Options in the Chat groups view are: *Open*, *Join group*, *Create new group*, *Leave chat group*, *Chat group*, *Search*, *Settings*, *Help*, and *Exit*.

- - A group that you are currently joined to but have not saved.

To join a chat group: Scroll to a group on the list and press . To join a chat group not on the list but for which you know the group ID, select **Options**→*Join group*. Key in the group ID and press .

You can scroll to a group, press **Options**→*Chat group* and then select: *Save group*, *Delete*, *View members* to see which members are currently joined to the group, *Chat group details* to see the group ID, topic, members, editing rights in the group, and whether sending private messages is allowed in the group, and *Chat group settings* to view and edit the chat group's settings. See "Editing chat group settings" on page 79.

To leave the chat group: Select **Options**→*Leave chat group*.

Searching for chat groups and users

Go to **Chat groups**→ **Options**→**Search**→**Groups** or **Users**.

- You can search for **Groups** by *Group name*, *Topic*, and *Members* (user ID). For groups that you have found you can select *New search*, *Join* and *Save group*.
- You can search for **Users** by *User's name*, *User ID*, *Phone number*, and *E-mail address*. For users that you have found you can select *New search*, *Open conversation*, *Add to Chat contact* to save the contact, *Send invitation*, and *Add to blocked list* to block (or unblock) messages from the contact.

When the search result is displayed, you can select **Options**→*New search*, *More results* from the same search, and *Previous results* to see your previous search result.

Chatting in a chat group

Go to **Menu**→**Chat**→**Chat groups**.

Once you have joined a chat group, you can view the messages that are exchanged in the group, and send your own messages.

Options while chatting: *Send*, *Send private msg.*, *Reply*, *Send invitation*, *Leave chat group*, *Save group*, *Record convers.*/*Stop recording*, *Help*, and *Exit*.

- To send a message, write the message and press .
- To send a private message to a member (if allowed in the group), select **Options**→*Send private msg.*, select the recipient, write the message, and press .

  To reply to a private message sent to you, select **Options**→*Reply*.

To invite chat contacts who are online to join the chat group (if allowed in the group), select **Options**→*Send invitation*, select the contacts you want to invite, write the invitation message, and press **Done**.

Recording messages

To record the messages that are exchanged in a chat group or during an individual conversation, select **Options**→*Record convers.*. Key in the name for the message file and press . To stop recording, select **Options**→*Stop recording*.

The recorded message files are saved to Notes. See "Notes" on page 105.

Blocking messages

To prevent receiving messages from certain chat users, select **Options**→*Blocking options* and then select:

- *Add to blocked list* - To block messages from the currently selected user.
- *Add ID to list manually* - Key in the user ID of the user and press .
- *View blocked list* - To see the users whose messages are blocked.
- *Unblock* - Select the user that you want to remove from the blocked list and press .

Starting and viewing individual conversations

Go to **Menu**→**Chat**→**Conversations**.

This shows a list of the chat users with whom you have an ongoing conversation.

To start a new conversation, select **Options**→*New conversation* and then select:

Options in the Conversations view are: *Send*, *Add to chat contact*, *Forward*, *Record convers.*/*Stop recording*, *Blocking options*, *End conversation*, *Help*, and *Exit*.

- *Select recipient* – To see a list of your saved chat contacts that are currently online. Scroll to the contact and press .
- *Enter user ID* – Key in the user ID and press . The user ID is provided by the service provider to those who register to the service.

To view an ongoing conversation, scroll to the user and press . To continue the conversation, write your message and press . To return to the conversations list without closing the conversation, press **Back**.

To close the conversation, select **Options**→*End conversation*.

Icon: next to a user indicates that you have received a new message from that user.

Ongoing conversations are automatically closed when you exit Chat.

To save a user to your chat contacts, scroll to the user and select **Options**→*Add to Chat contact*.

To send automatic replies to incoming messages, select **Options**→*Set auto reply on*. Key in the text and press **Done**.

Chat contacts

Go to **Menu**→**Chat**→**Chat contacts**.

Options in the Chat contacts view are: *Open*, *Open conversation*, *Switch tracking on*, *Belongs to groups*, *New Chat contact*, *Edit*, *Delete*, *Reload user availab.*, *Blocking options*, *Search*, *Settings*, *Help*, and *Exit*.

This shows a list of your saved chat contacts. is shown next to contacts that are currently online, and indicates contacts that are offline.

To create a new contact, select **Options**→*New chat contact*. Fill in the *Name* and *User ID* fields and press **Done**.

You can scroll to a contact and press to view contact details. Press **Options** and select:

- *Edit* - Edit the contact's details.
- *Open conversation* - Start a new conversation or continue an ongoing conversation with the contact.
- *Switch tracking on* - Be notified every time the chat contact goes online or offline.
- *Belongs to groups* - See which groups the chat contact has joined.
- *Reload user availab.* - Update information about whether contacts are online or offline. This option is not available if you have set the *Availability reloading* to *Automatic* in **Chat settings**.

Creating a new chat group

Go to **Chat groups**→**Options**→**Create new group**. Key in the settings for the group:

- *Group name*, *Group topic*, and a *Welcome note* that the participants see when they join the group.
- *Group size* - Maximum number of members allowed to join the group.
- *Allow search* - Define if others can find the chat group by searching.
- *Editing rights* - Scroll to the chat group members to whom you want to give editing rights and permission to invite contacts to join the group.
- *Group members* - See "Restricting access to a chat group" on page 80.
- *Banned* - Displays a list of banned users.
- *Allow private msgs.* - Allow or prevent private messaging between members.
- *Group ID* - Is created automatically and cannot be changed.

Editing chat group settings

Go to **Menu**→**Chat**→**Chat groups**.

You can edit the settings for a chat group if you have created the group or if the creator of the group has given you editing rights. In the **Chat groups** view, scroll to the desired group and select **Options**→*Chat*

group→*Chat group settings*. See "Creating a new chat group" on page 79.

Restricting access to a chat group

You can make a chat group closed by creating a **Group members** list. Only the users on the list are allowed to join the group. Go to the **Chat groups** view, scroll to the group and select **Options**→*Chat group*→*Chat group settings*→*Group members*→*Selected only*.

- To add a user to the list, select *Add* and *Chat contact* or *Enter user ID*.
- To remove a user from the list, scroll to the user and select *Remove*.
- To clear the list and allow all chat users to join the group again select *Remove all*.

Chat and Presence servers

Go to **Options**→ **Settings**→**Server settings**. You may receive the settings as a smart message from the service provider that offers the chat service.

- To change the chat or presence server you wish to connect to, select *Default server*.
- To change the Presence login type, select *Login type* and select *Automatic*, *Aut. in home net.*, or *Manual*.
- To change the Chat login type, select *Login type* and select *Automatic* or *Manual*.
- To add a new server, select **Options**→*New server*. Key in or select the settings: *Server name* and *Access point in use* to connect to the server, *Web address* of the chat server, your *User ID* and login *Password*. See "Connection settings" on page 90.

  You obtain the user ID and password from your service provider when you register for the service. If you do not know your user ID or password, contact your service provider.

r1024_en.book Page 81 Thursday, July 8, 2004 12:40 PM

8. Tools

File manager

Go to Menu→Tools→File manager.

In the File manager, you can browse, open, and manage files and folders in the phone memory or on the memory card, if you use one.

Options in the File manager main view are: *Open*, *Send*, *Delete*, *Move to folder*, *Copy to folder*, *New folder*, *Mark/Unmark*, *Rename*, *Find*, *Receive via infrared*, *View details*, *Memory details*, *Help*, and *Exit*.

Open the File manager to see a list of the folders in the phone memory. Press 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 19.

Copyright protections may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.

Receiving files via Infrared

Go to Options→Receive via infrared.

Files are automatically received into the root level of the folder structureand can be moved or copied to other folders. See "Infrared connection" on page 125.

Viewing memory consumption

Go to Options→Memory details.

If you have a memory card installed in your phone, you have a choice of two memory views, one for the phone memory and one for the memory card.

Press or to move from one memory tab to another.

To check memory consumption of the current memory select Options→ *Memory details*.

The phone calculates the approximate amount of free memory for storing data and installing new applications.

r1024_en.book Page 82 Thursday, July 8, 2004 12:40 PM

In the memory views, you can view the memory consumption of the different data groups: *Calendar*, *Contacts*, *Documents*, *Messages*, *Images*, *Sound files*, *Video clips*, *Applications*, *Mem. in use*, and *Free memory*.

If the phone memory is getting low, remove some files, or move them to the memory card. See "Troubleshooting" on page 130.

Voice commands

Go to Menu→Tools→Voice com..

You can use Voice commands to start applications and profiles, and to dial numbers from Contacts, without having to look at your phone's display. You record a word, or words (voice command) and then pronounce this voice command to open an application, activate a profile, or dial a number.

You can have only one voice command per item.

Options in the Voice commands main view are: *Add voice command*, *Open*, *New application*, *Playback*, *Change*, *Delete*, *Delete all*, *Help*, and *Exit*.

Any spoken word(s) can be a voice command.

- When recording, hold the phone at a short distance away from your mouth. After the starting tone, clearly pronounce the word, or words, you want to record as a voice command.

Before using voice tags, note that:

- Voice tags are not language-dependent. They are dependent on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.
- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.
- Very short names are not accepted. Use long names and avoid similar names for different numbers.

Note: Using voice tags may be difficult in a noisy environment or during an emergency, so you should not rely solely upon voice dialling in all circumstances.

Adding a voice command to an application

1. In the Voice commands main view, scroll to the application that you want to add a voice command to, and select **Options**→*Add voice command*.

   To add a voice command to a profile, the Profiles folder must be opened and a specific profile selected.

   To add an application to the list of applications in the Voice commands main view, select **Options**→*New application*, scroll to the application that you want to add and press **Select**.
2. The text *Press 'Start', then speak after tone* is displayed.
   - Press **Start** to record a voice command. The phone sounds a starting tone and the note *Speak now* is displayed.
3. Pronounce the voice command. The phone stops recording after approximately 5 seconds.
4. After recording, the phone plays the recorded command and the note *Playing voice command* is displayed. If you do not want to save the recording, press **Quit**.
5. When the voice command has been successfully saved, the note *Voice command saved* is displayed and a beep sounds. A symbol can be seen next to the application.

Starting an application using a voice command

1. In standby mode, press and hold . A short tone is played and the note *Speak now* is displayed.
2. When you are starting an application by saying a voice command, hold the phone a short distance away from your mouth and pronounce the voice command clearly.
3. The phone plays the original voice command and starts the application. If the phone plays an incorrect voice command, press **Retry**.

Replaying, erasing, or changing a voice command

To replay, erase, or change a voice command, scroll to the item that has a voice command (indicated by), select **Options**, and then either:

- *Playback* – Listen to the voice command again.
- *Delete* – Erase the voice command.
- *Change* – Record a new voice command. Press **Start** to record.

r1024_en.book Page 85 Thursday, July 8, 2004 12:40 PM

9. Personalising your phone

Profiles

Go to Menu→Profiles.

Options in the Profiles main view are: *Activate*, *Personalise*, *Create new*, *Delete profile*, *Tone downloads*, *Help*, and *Exit*.

In Profiles, you can adjust and customise the phone tones for different events, environments, or caller groups. 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.

To change the profile, scroll to a profile and select Options→*Activate*.

To modify a profile, scroll to the profile in the Profiles list and select Options→*Personalise*. To create a new profile, select Options→*Create new*. A list of profile settings opens. Scroll to the setting you want to change and press to open the choices:

- *Ringing tone* - Set the ringing tone for voice calls, choose a ringing tone from the list. Press any key to stop the sound. If a memory card is used, tones stored on it have the icon next to the tone name. Ringing tones use shared memory. See "Shared memory" on page 9. You can also change ringing tones in Contacts. See "Adding a ringing tone" on page 38.
- *Ringing type* - When *Ascending* is selected, the ringing volume starts from level one and increases level by level to the set volume level.
- *Ringing volume* - Set the volume level for the ringing and message alert tones.
- *Message alert tone* - Set the tone for messages.
- *Chat alert tone* - Set the tone for instant 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* - The phone sounds a warning tone, for example, when the battery is running low.

- *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 (a list of contact groups, if you have created them).
- *Availability* - Select *Available*, *Busy*, or *Not available*. See "Presence settings" on page 43.
- *Private message* - Key in a message to display your current presence status. See "Presence settings" on page 43.

Themes

Go to Menu→Themes.

Options in the Themes main view are: *Preview*, *Apply*, *Edit*, *Help*, and *Exit*.

You can change the look of your phone's display by activating a theme. A theme can include the idle screen wallpaper, colour palette, screen saver, and icons and background image in 'Go to'. Edit a theme for more detailed personalisation.

When you open Themes you see a list of the available themes. The currently active theme is indicated by a check mark. Press to see the themes on the memory card, if you use one.

To preview a theme, scroll to the theme and select Options→*Preview* to view the theme. Press to activate the theme. You can activate the theme without previewing it by selecting Options→*Apply* from the main view.

Group together elements from other themes, or images from the Gallery to personalise themes further.

Editing a theme:

1. Scroll to a theme, select Options→*Edit*, and select:
   - *Wallpaper* - Select an image from one of the available themes, or select your own image from the Gallery, to use as a background image in standby mode.
   - *Colour palette* - Change the colour palette used on the display.

- *Screen saver* - Select what is shown on the screen saver bar: the time and date or a text that you have written yourself. The location and background colour of the screen saver bar changes in 1-minute intervals. Also, the screen saver changes to indicate the number of new messages or missed calls. You can set the time that elapses before the screen saver is activated. See "Phone settings" on page 88.
- *Icons* - Select a different icon set from any one of the themes.

  All pre-installed themes have the same icon set.
- *Image in 'Go to'* - Select an image from one of the available themes, or select your own image from the Gallery, to use as a background image in Go to.

2. Scroll to the element to be edited and select **Options**→*Change*.
3. Select **Options**→*Set* to select the current setting. To preview the selected element, select **Options**→ *Preview*. Note that you cannot preview all elements.

To restore the currently selected theme to its original settings, select **Options**→*Restore orig. theme* when editing a theme.

Settings

Changing general settings

Go to **Menu**→**Settings**

1. Scroll to a setting group and press to open it.
2. Scroll to a setting you want to change and press to:
   - switch between options if there are only two (**On**/**Off**),
   - open a list of options or an editor,
   - open a slider view and press or to increase or decrease the value respectively.

You may be able to receive some settings from your service provider in a short message. See "Receiving smart messages" on page 64.

Phone settings

Go to Phone settings.

General

- *Phone language* - Change the language for the display texts in your phone. This change may also affect the format used for date and time and the separators used, for example, in calculations. If you select *Automatic*, the phone selects the language according to the information on your SIM card. After you have changed the display text language, you must restart the phone.
- 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* - Change the writing language of your phone. Changing the language affects:
  - the characters available when you press any key 1 - wxyz9
  - the predictive text dictionary used
  - the special characters that are available when you press the * + and 1 keys.
- *Dictionary* - Set predictive text input *On* or *Off* for all editors in the phone. Select a language for entering predictive text from the list available. You can also change this setting when you are in an editor. Press # and select *Dictionary*→*Dictionary on* or *Off*.
- *Welcome note or logo* - The welcome note or logo is displayed briefly each time you switch on the phone. Select *Default* if you want to use the default image or animation. Select *Text* to write a welcome note (max. 50 letters). Select *Image* to select a photo or picture from the Gallery.
- *Orig. phone settings* - Reset some of the settings to their original values. To do this, you need the lock code. See "Security" on page 94. After resetting the settings, the phone may take a longer time to power up. All documents and files that you have created are left as they are.

Standby mode

- *Left selection key* and *Right selection key* - Change the shortcuts that appear over the left and right selection keys in standby mode. In addition to the applications, you can have the shortcut point to a function, for example, *New message*.

You can only have shortcuts to pre-installed applications and functions.

Display

- *Screen saver timeout* - The screen saver is activated when the screen saver time-out period is over. When the screen saver is active, the display is cleared and you can see the screen saver bar.
  - To deactivate the screen saver press any key.

Call settings

Go to Call settings.

Send my caller ID (network service)

- 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.

Call waiting (network service)

- The network notifies 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 ten 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 approximate duration of the last call.

r1024_en.book Page 90 Thursday, July 8, 2004 12:40 PM

Speed dialling

- Select *On*, and the numbers assigned to the speed-dialling keys (2 abc - wxyz9) can be dialled by pressing and holding the key. See "Assigning speed-dialling keys" on page 39.

Anykey answer

- Select *On*, and you can answer an incoming call by briefly pressing any key, except , , and .

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 cannot 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. To change this setting, you need the PIN2 code.

Connection settings

Go to Connection settings.

Access points

Here you can see a short explanation for every setting that may be needed for different data connections and access points. If you have not yet used your phone to make a WAP connection, you may need to contact your service provider for assistance with the first-time connection.

Many service providers require you to use an IAP for your default access point. Other service providers allow you to use a WAP access point. Contact your service provider for more information.

Start to fill in the settings from the top since, depending on the data connection you select (*Data bearer*), only certain fields are available.

- *Connection name* - Give a descriptive name for the connection.
- *Data bearer* - The options are *GPRS* or *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 an asterisk. Other fields can be left empty, unless you have been instructed otherwise by your service provider.

To be able to use a data connection, the network operator or service provider must support this feature, and if necessary, activate it for your SIM card

- *Access point name* (for packet data 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.
- *User name* - Write 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 key in a new password every time you log onto 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 writing the password, the characters you enter are shown briefly and then changed to asterisks (*). The easiest way to enter numbers is to press and hold the digit you want to enter, and then continue entering letters.
- *Authentication* - *Normal*/*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* defines 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, 14400, 19200, 28800, 38400or 43200, depending on the chosen *Data call type*. This option allows you to limit the maximum connection speed when GSM data are used. Higher data rates may cost more, depending on the service provider.

The speeds above represent the maximum speed at which your connection operates. During the connection, the operating speed may be less, depending on network conditions.

Options→ Advanced settings

- *Network type* – The internet protocol (IP) version of the network.
- *Phone IP address* - The IP address of your phone.
- *Name servers* - The IP address of the primary and secondary DNS servers.
- *Proxy serv. address* - The IP address of the proxy server.
- *Proxy port number* - The port number of the proxy server.

To enter these settings, contact your Internet service provider.

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. Contact your service provider to subscribe to this service.

  The phone expects the callback call to use the same data call settings that were used in the callback-requesting call. The network must support that type of call in both directions, to and from the phone.
- *Callback type* - The options are *Use server no.*/*Use other no.*. Ask your service provider for the correct setting to use.
- *Callback number* - Key in your phone's data phone number which the dial-back server uses. Usually, this number is the data-call phone number of your phone.
- *Use PPP compression* - When set to *Yes*, this option speeds up 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* - The options are *Yes*/*No*.
- *Login script* - Insert the login script.
- *Modem initialisation* (Modem initialisation string) - Controls your phone using modem AT commands. If required, enter characters specified by your service provider or Internet service provider.

GPRS

➡Go to GPRS.

The GPRS settings affect all access points using a packet data connection.

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 short messages are sent 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 can be closed when it is not needed by any application.

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 to your computer.

Data call

➡Go to Data call.

The *Data call* settings affect all access points that use a GSM 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*.

Date and time

➡Go to Date and time.

The *Date and time* settings allow you to define the date and time used in your phone, as well as change the date and time format and separators.

- *Clock type*→*Analogue* or *Digital* - To change the clock shown in standby mode. See "Clock" on page 105.
- *Auto time update* - To allow the network to update time, date, and time zone information to your phone (network service). For the *Auto time update* setting to take effect, the phone needs to be restarted. Check any alarms as these may be affected by *Auto time update*.
- *Clock alarm tone* - To change the tone played when the clock alarm time is reached.
- *GMT offset* - To change the time zone for the clock time.
- *Daylight-saving* - To turn daylight saving time on or off.

Security

Go to Security.

Phone and SIM

You can change the following codes: lock code, PIN code, and PIN2 code. These codes can only include the numbers from 0 to 9.

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 some SIM cards may not allow the PIN code request to be deactivated.

PIN code/*PIN2 code*/*Lock code* - Open this setting if you want to change the code.

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. Key in a number for the time-out in minutes or select *None* to turn off the autolock period.

- To unlock the phone, key in the lock code.

Lock if SIM changed - Select *Yes* if you want the phone to prompt 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.

Options in the Fixed dialling view are: *Open*, *Call*, *Activ. fixed dialling* *Deact. fixed dialling*, *New contact*, *Edit*, *Delete*, *Add to Contacts*, *Add from Contacts*, *Find*, *Mark/Unmark*, *Help*, and *Exit*.

Fixed dialling - You can restrict your outgoing calls to selected 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 in the fixed-dialling list or which begin with the same digit(s) as a phone number on the list.

- Press to set *Fixed dialling* on.
- To add new numbers to the Fixed dialling list, select **Options**→*New contact* or *Add from Contacts*.

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*.

When security features that restrict calls are in use (such as call barring, closed user group and fixed dialing) calls still may be possible to the official emergency number programmed into your device.

Confirm SIM services (network service) - To set the phone to display confirmation messages when you are using a SIM card service.

Certificate management

Options in the certificate management main view are: *Certificate details*, *Delete*, *Trust settings*, *Mark/Unmark*, *Help*, and *Exit*.

In the certificate management main view, you can see a list of authority certificates that have been stored in your phone. Press to see a list of personal certificates, if available.

Authority certificates are used by some browser services, such as banking services, for checking signatures or server certificates or other authority certificates.

Server certificates are used to improve security in the connection between the phone and the gateway. The phone receives the server

certificate from the service provider before the connection is established and its validity is checked using the authority certificates saved in the phone. Server certificates are not saved.

Server certificates may be needed when you, for example:

- want to connect to an online bank or another site or remote server for actions that involve transferring confidential information, or
- want to be sure of the authenticity of software when downloading and installing software.

Important: Note that even if the use of certificates considerably reduces the risks involved in remote connections and software installation, they must be used correctly in order 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. Certificates have a restricted lifetime. If Expired certificate or Certificate not valid yet is shown even if the certificate should be valid, check that the current date and time in your device are correct.

Before changing any certificate settings, you must make sure that you actually trust the owner of the certificate and that the certificate really belongs to the listed owner.

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:

  Application manager/*Yes* - The certificate is able to certify the origin of new software.

  Internet/*Yes* - The certificate is able to certify e-mail and imaging servers.

Call barring

Go to **Call barring**.

Call barring (network service) allows you to restrict the making and receiving of calls with your phone. For this function, you need the barring password obtainable from your service provider.

1. Scroll to one of the barring options.

2. Select **Options**→*Activate* to request the network to set call restriction on, *Cancel* to set the selected call restriction off, or *Check status* to check if the 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.

Call barring and call diverting cannot be active at the same time.

When calls are barred, calls still may be possible to certain official emergency numbers.

Network

Go to **Network**.

Operator selection

- *Automatic* - Set the phone to automatically search for and select one of the cellular networks available in your area.
- *Manual* - Select the desired network manually from a list of networks. If the connection to the 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.

Cell info display

- *On* - Set the phone to indicate when it is used in a cellular network based on Micro Cellular Network (MCN) technology and to activate cell info reception (network service).

Enhancement settings

Go to **Enhancement**.

Scroll to an enhancement folder and open the settings:

- *Default profile* - Select the profile you want to activate each time you connect a certain enhancement to your phone.
- *Automatic answer* - Set the phone to answer an incoming call automatically after 5 seconds after you connect this enhancement to

your phone. If the *Ringing type* is set to *Beep once* or *Silent*, automatic answer cannot be used, and you must answer the phone manually.

Go to

Go to Menu→Go to or press Go to in standby mode.

Options in the Go to main view are: *Open*, *Edit shortcut name*, *Shortcut icon*, *Delete shortcut*, *Move*, *List view*/*Grid view*, *Help*, and *Exit*.

Use Go to for storing shortcuts, links to your favourite photos, video clips, notes, Recorder sound files, browser bookmarks, and saved browser pages.

The default shortcuts are: - opens the Notes editor, - opens the Calendar at the current date, and - opens the Messaging Inbox.

Shortcuts can be added only from pre-installed applications and functions. Not all applications have this functionality.

Adding and using shortcuts:

1. Open the application and scroll to the item that you want to add as a shortcut.
2. Select Options→*Add to 'Go to'* and press OK.

- **To open a shortcut**, scroll to the icon and press . The file is opened in the corresponding application.
- **To delete a shortcut**, scroll to the shortcut that you want to remove and select Options→*Delete shortcut*. Removing a shortcut does not affect the file it is referring to.
- **To change the shortcut name**, select Options→*Edit shortcut name*. Write the new name. This change affects only the shortcut, not the file or the item that the shortcut refers to.

r1024_en.book Page 99 Thursday, July 8, 2004 12:40 PM

10. Extras

Wallet

Go to Menu→Extras→Wallet.

Options in the wallet main view are: *Open*, *Settings*, *Help*, and *Exit*.

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.

The information stored in the wallet can be easily retrieved while browsing to automatically complete online forms on browser pages, for example, when the service asks for credit card details. Data in the wallet are encrypted and protected with a wallet code that you define.

You can group wallet data into profiles that can be accessed, for example, when making purchases online.

Due to the nature of the wallet, it automatically closes after 5 minutes. Enter the wallet code to regain access to the contents. You can change this automatic time-out period, if required. See "Wallet settings" on page 102.

Entering the wallet code

Each time you open the wallet you are prompted for a 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 OK.
2. You are prompted to verify the code. Enter the same code and press OK. Do not give your wallet code to anyone else.
3. Enter the code that you have created and press OK.

If you enter the wallet code incorrectly on three consecutive occasions, the wallet application is blocked for 5 minutes. The block time increases if further incorrect wallet codes are entered.

If you forget your wallet code, you have to reset the code, and you will lose all information stored in the wallet. See "Resetting the wallet and wallet code" on page 103.

Storing personal card details

1. Select the *Cards* category from the main wallet menu and press .
2. Select a type of card from the list and press .
   - *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*. A blank form opens.
4. Fill in the fields and press **Done**.

You can also receive card information directly to the phone from a card issuer or service provider (if they offer this service). You are notified which category the card belongs to. Either save or discard the card. You can view and rename a saved card, but you cannot edit it.

You can open, edit or delete the fields in the card. Any changes are saved upon exiting.

Options when viewing or editing card details: *Delete*, *Help*, and *Exit*.

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 as a message.

- Select the *Personal notes* category from the main wallet menu and press .
- Select **Options**→*New card*. A blank note opens.

- Press 1 – 0 to start writing. Press C to clear characters. Press **Done** to save.

Creating a wallet profile

Once you have stored your personal details, you can combine them together into a wallet profile. Use a wallet profile to retrieve wallet data from different cards and categories to the browser.

1. Select the *Wallet profiles* category from the main wallet menu and press .
2. Select **Options**→*New card*. A new wallet profile form opens.
3. Fill in the fields as indicated below and press **Done**.

   Some of the fields must contain data selected from the wallet. 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 card category.
   - *Loyalty card* - Select a card from the Loyalty card category.
   - *Online access card* - Select a card from the Online access card category.
   - *Shipping address* - Select an address from the Address card category.
   - *Billing address* - By default this is the same as the Shipping address. If you require a different address, select one from the Address card category.
   - *User info card* - Select a card from the User info card category.
   - *Receive e-receipt* - Select a destination from the Address card category.
   - *Deliver e-receipt* - Select *To phone*, *To e-mail*, or *To pho. & e-mail*.
   - *RFID sending* - Set to *On* or *Off*. Defines whether or not your unique phone identification is sent with the wallet profile (for future development dependent on RFID-based ticketing).

Retrieving information from the 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. See "Purchasing an item" on page 114.

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed is stored in the cache. To empty the cache, select **Menu**→*Web*→**Options**→*Navigation options*→*Clear Cache*.

Viewing ticket details

Options in the Tickets main view are: *View*, *Delete*, *Rename*, *Mark/Unmark*, *Help*, and *Exit*.

You can receive notifications of tickets purchased online via the browser. Received notifications are stored in the wallet. To view the notifications:

1. Select the *Tickets* category from the main wallet menu and press .
2. Select **Options**→*View*.

Wallet settings

Select **Options**→*Settings* from the main wallet menu:

- *Wallet code* - Change your wallet code. You are 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 OK. See "Security" on page 94.
3. You are asked to confirm the erasing of data. Press OK.

When opening the wallet again, you must enter a new wallet code. See "Entering the wallet code" on page 99.

Calculator

Go to Menu→Extras→Calculator.

1. Enter the first number of your calculation. If you make a mistake, press C to erase it.
2. Scroll to an arithmetic function and press ▪ to select it.
3. Enter the second number.
4. To execute the calculation, scroll to = and press ▪.

Options in Calculator are: *Last result*, *Memory*, *Clear screen*, *Help*, and *Exit*.

Note: This calculator has limited accuracy and is designed for simple calculations.

- To add a decimal, press #.
- Press and hold C to clear the result of the previous calculation.
- Use ⌃ and ⌄ to view previous calculations and move in the sheet.

Converter

Go to Menu→Extras→Converter.

In Converter, you can convert measurement parameters such as *Length* from one unit to another, for example, *Yards* to *Metres*.

The Converter has limited accuracy and rounding errors may occur.

Converting units

Options in Converter: *Conversion type*, *Currency rates* (not applicable to other units), *Help*, and *Exit*.

To make currency conversion you must first set the exchange rate. See "Setting a base currency and exchange rates" on page 104.

1. Scroll to the *Type* field and press to open a list of measurement parameters. Scroll to the measurement parameter you want to use and press **OK**.
2. Scroll to the first *Unit* field and press to open a list of available units. Select the unit **from** which you want to convert and press **OK**.
3. Scroll to the next *Unit* field and select the unit **to** which you want to convert.
4. Scroll to the first *Amount* field and key in the value that you want to convert. The other *Amount* field changes automatically to show the converted value.

Press # to add a decimal and press * + for the **+**, **–** (for temperature), and **E** (exponent) symbols.

The conversion order changes if you write 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 carry out currency conversions, you need to choose a base currency (usually your domestic currency) and add exchange rates.

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 parameter 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.*.
3. Add exchange rates, scroll to the currency, and key in a new rate, that is, how many units of the currency equal one unit of the base currency you have selected.

r1024_en.book Page 105 Thursday, July 8, 2004 12:40 PM

4. After you have inserted all the required exchange rates, you can make currency conversions. See "Converting units" on page 104.

Notes

Go to Menu→Extras→Notes.

You can link notes to Go to and send them to other devices.
Plain text files (TXT format) you receive can be saved to Notes.

- Press 1 – 0 to start to write. Press C to clear letters. Press Done to save.

Clock

Go to Menu→Extras→Clock.

Changing clock settings

Options in Clock: *Set alarm*, *Reset alarm*, *Remove alarm*, *Settings*, *Help*, and *Exit*.

- To change the time or date, select Options→*Settings* in Clock.

Setting an alarm

1. To set a new alarm, select Options→*Set alarm*.
2. Enter the alarm time and press OK. When the alarm is active, the indicator is shown.

- To cancel an alarm, go to Clock and select Options→*Remove alarm*.

Turning off the alarm

- Press Stop to turn off the alarm.
- Press any key or Snooze to stop the alarm for5 minutes, after which it resumes. You can do this a maximum of five times.

If the alarm time is reached while the device is switched off, the device switches itself on and starts sounding the alarm tone. If you press Stop, the device asks whether you want to activate the device for calls. Press No to switch off the device or Yes to make and receive calls. Do not press Yes when wireless phone use may cause interference or danger.

Personalising the alarm tone

1. To personalise the alarm tone, select **Options**→*Settings*.
2. Scroll to *Clock alarm tone* and press .
3. When you scroll through the list of tones, you can stop on a tone to listen to it before you make your selection. Press **Select** to select the current tone.

Recorder

Go to **Menu**→**Extras**→**Recorder**.

The voice recorder allows you to record telephone conversations and voice memos. If you are recording a telephone conversation, both parties hear a tone every 5 seconds during recording.

Recorded files are stored in the Gallery. See "Gallery" on page 57.

Options in Recorder are: *Record sound clip*, *Delete*, *Rename sound clip*, *Send*, *Go to Gallery*, *Settings*, *Add to 'Go to'*, *Help*, and *Exit*.

- Select **Options**→*Record sound clip* and scroll to a function and press to select it. Use: - to record, - to pause, - to stop, - to fast forward, - to rewind, or - to play an opened sound file.

The recorder cannot be used when a data call or GPRS connection is active.

Memory card

Go to **Menu**→**Extras**→**Memory card**.

Options in the memory card: *Backup phone mem.*, *Restore from card*, *Format mem. card*, *Memory card name*, *Set password*, *Change password*, *Remove password*, *Unlock memory card*, *Memory details*, *Help*, and *Exit*.

For details on inserting a memory card into the phone, see the Getting Started section. You can use it to store your multimedia files such as video clips and sound files, photos, and messaging data, and to back up information from your phone's memory.

Included with your Nokia phone is a Multimedia Memory Card (MMC) that may contain add-on applications from independent developers.

These applications are designed by the developers to be compatible with your phone.

Use only compatible Multimedia cards (MMC) with this device. The compatible MMC for your phone is Reduced Size Dual Voltage MultiMediaCard. Other memory cards, such as Secure Digital (SD) cards, do not fit in the MMC card slot and are not compatible with this device. Using an incompatible memory card may damage the memory card as well as the device, and data stored on the incompatible card may be corrupted.

Details of 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.

Keep all memory cards out of the reach of small children.

Formatting the memory card

When a memory card is formatted, all data on the card are permanently lost.

Some memory cards are supplied pre-formatted and others require formatting. Consult your retailer to find out if you must format the memory card before you can use it.

- Select **Options**→ *Format mem. card*.

  Select **Yes** to confirm. When formatting is complete, key in a name for the memory card (max. 11 letters or numbers).

Backing up and restoring information

To back up information from your phone's memory to the memory card, select **Options**→ *Backup phone mem.*

To restore information from the memory card to the phone's memory, select **Options**→ *Restore from card*.

You can only back up the phone memory and restore it to the same phone.

Locking the memory card

To set a password to lock your memory card to help prevent unauthorised use, select **Options**→ *Set password*.

You are asked to enter and confirm your password. The password can be up to eight characters long.

The password is stored in your phone and you do not have to enter it again while you are using the memory card on the same phone. If you want to use the memory card on another phone, you are asked for the password.

Unlocking a memory card

If you insert another password-protected memory card into your phone, you are prompted to enter the password of the card. To unlock the card:

- Select Options→ *Unlock memory card*.

Once the password is removed, the memory card is unlocked and can be used on another phone without a password.

Checking memory consumption

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*.

Quickword

Go to Menu→Extras→*Quickword*.

Quickword allows you to open and view MS Word documents on your phone.

Note: Quickword is designed to support documents saved in Microsoft Word 97, 2000, and XP document format (*.doc*). Note that this application does not necessarily support all variations or features of the mentioned file formats.

Quickpoint

Go to Menu→Extras→*Quickpoint*.

Quickpoint allows you to:

- view presentations and move between the Outline, Slide, Thumb, and Notes views,

- manage your presentation files: open, browse through the folders on your phone or memory card, sort files by name, date, size or extension, view details, delete files, or send files via multimedia, e-mail, Infrared or Bluetooth connection,

  and

- make a presentation via a compatible computer projector.

Note: Quickpoint is designed to support presentations created in Microsoft Powerpoint 97, 2000, and XP file formats (*.ppt*). Note that this application does not necessarily support all variations or features of the mentioned file formats.

r1024_en.book Page 110 Thursday, July 8, 2004 12:40 PM

11. Services and Applications

Web (Mobile browser)

Go to Menu→Web or press and hold 0 in standby mode.

Various service providers maintain pages specifically designed for mobile phones, offering services that can be, for example, news, weather reports, banking, travel information, entertainment, and games. With the mobile browser, you can view these services as WAP pages written in HTML, WML, and XHTML pages written in XHTML, or a mixture of WML and XHTML. If you have not yet used your phone to make a WAP connection, you may need to contact your service provider for assistance with the first-time connection.

Check the availability of services, pricing, and tariffs with your network operator and/or service provider. Service providers also give you instructions on how to use their services.

Basic steps for accessing

- Save the settings that are needed to access the browser service that you want to use. See "Setting up the phone for the browser service" on page 110.
- Make a connection to the service. See "Making a connection" on page 111.
- Start browsing the web pages. See "Browsing" on page 112.
- End the connection to the service. See "Ending a connection" on page 115.

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 so-called smart message, from the network operator or service provider that offers the service. See "Receiving smart messages" on page 64. For more information, contact your network operator or service provider.

Keying in the settings manually

Follow the instructions given to you by your service provider.

1. Go to **Menu**→*Settings*→*Connection*→*Access points* and define the settings for an access point. See "Connection settings" on page 90.
2. Go to **Menu**→ *Web*→**Options**→*Bookmark manager*→*Add bookmark*. Write 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.
- Press the keys 2 abc – wxyz9 to start to write the address of a browser service. The Go to field at the bottom of the display is immediately activated and you can continue writing the address there.

After you have selected a page or written the address, press to start to download the page.

Viewing bookmarks

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not guarantee 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 Internet site.

Options in the Bookmarks view (when a bookmark or folder is selected): *Open*, *Download*, *Back to page*, *Bookmark manager*, *Mark/Unmark*, *Navigation options*, *Advanced options*, *Send*, *Find bookmark*, *Details*, *Settings*, *Help*, and *Exit*.

In the Bookmarks view, you can see bookmarks pointing to different kinds of browser pages. Bookmarks are indicated by the following icons:

- The starting page defined for the browser access point. If you use another browser access point for browsing, the starting page is changed accordingly.

- The last visited page. When the phone is disconnected from the service, the address of the last visited page is kept in memory until a new page is visited during the next connection.

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.

- A bookmark showing the title.

Adding bookmarks manually

1. In the Bookmarks view, select **Options**→*Bookmark manager*→ *Add bookmark*.
2. Start to fill in the fields. Only the address must be defined. The default access point is assigned to the bookmark if no other one is selected. Press * + to enter special characters such as **/**, **.**, **:**, and @. Press c to clear characters.
3. Select **Options**→*Save* to save the bookmark.

Browsing

On a browser page, new links appear underlined in blue and previously visited links in purple. Images that act as links have a blue border around them.

Options when browsing: *Open*, *Service options*, *Bookmarks*, *Save as bookmark*, *View image*, *Navigation options*, *Advanced options*, *Send bookmark*, *Find*, *Details*, *Settings*, *Help*, and *Exit*.

Keys and commands used in browsing

- To open a link, press .
- To scroll the view, use the scroll key.
- To enter letters and numbers in a field, press the keys 0 – wxyz9 . Press * + to enter special characters such as **/**, **.**, **:**, and @. Press c to clear characters.
- To go to the previous page while browsing, press **Back**. If **Back** is not available, select **Options**→*Navigation options*→*History* to view a

chronological list of the pages you have visited during a browsing session. The history list is cleared each time a session is closed.

- To check boxes and make selections, press .
- To retrieve the latest content from the server, select **Options**→*Navigation options*→*Reload*.
- To open a sub-list of commands or actions for the currently open browser page, select **Options**→*Service options*.
- To disconnect from a browser service and to quit browsing, press and hold .

Saving bookmarks

- To save a bookmark while browsing, select **Options**→*Save as bookmark*.
- To save a bookmark received in a smart message, open the message in the Inbox in Messaging and select **Options**→*Save to bookmarks*. See "Receiving smart messages" on page 64.

Viewing saved pages

Options in the Saved pages view are: *Open*, *Back to page*, *Reload*, *Saved pages*, *Mark/Unmark*, *Navigation options*, *Advanced options*, *Details*, *Settings*, *Help*, and *Exit*.

If you regularly browse pages containing information which doesn't change very often, you can save and then browse them when offline.

- To save a page, while browsing select **Options**→*Advanced options*→*Save page*.

  Saved pages are indicated by the following icon:

  - The saved browser page.

  In the saved pages view you can also create folders to store your saved browser pages.

  Folders are indicated by the following icon:

  - Folder containing saved browser pages.

To open the Saved pages view, press in the Bookmarks view. In the Saved pages view, press to open a saved page.

To start a connection to the browser service and to retrieve the page again, select **Options**→*Navigation options*→*Reload*.

The phone stays online after you reload the page.

A cache is a memory location that is used to store data temporarily. If you have tried to access or have accessed confidential information requiring passwords, empty the cache after each use. The information or services you have accessed is stored in the cache. To empty the cache, select **Menu**→ *Web*→**Options**→ *Navigation options*→*Clear Cache*.

Downloading

You can download items such as ringing tones, images, operator logos, software, and video clips using the mobile browser. These items can be provided free or you can purchase them.

Once downloaded, items are handled by the respective applications on your phone, for example, a downloaded photo is saved in the Gallery.

Important: Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

Purchasing an item

To download the item:

1. Scroll to the link and select **Options**→*Open*.
2. Choose the appropriate option to purchase the item, for example, Buy.

Carefully read all the information provided.

If the online content is compatible, you can use your wallet information to make the purchase:

1. Select *Open wallet*. You are prompted for your wallet code. See "Entering the wallet code" on page 99.
2. Select the appropriate card category from your wallet.
3. Select *Fill in*. This uploads the selected wallet information.

If the wallet does not contain all information necessary for the purchase, you are requested to enter the remaining details manually.

Copyright protection may prevent some images, ringing tones, and other content from being copied, modified, transferred or forwarded.

Checking an item before downloading

You can see details about an item before you download it. Details about an item may include the price, a brief description and size.

- Scroll to the link and select **Options**→*Open*.

  Details about the item are displayed on your phone.
- If you want to continue with the downloading, press *Accept*, or if you want to cancel the download, press *Cancel*.

Ending a connection

- Select **Options**→*Advanced options*→*Disconnect*, or
- Press and hold to quit browsing and to return to standby mode.

Browser settings

Select **Options**→*Settings*:

- *Default access point* - To change the default access point, press to open a list of available access points. The current default access point is highlighted. See "Connection settings" on page 90.
- *Show images* - Choose whether to view pictures when you are browsing. If you choose *No*, you can later load images during browsing by selecting **Options**→*Show images*.
- *Text wrapping* - Choose *Off* if you do not want the text in a paragraph to automatically wrap, or *On* if you do. If text is not wrapped, the ends of lines may be truncated.
- *Font size* - You can choose five text sizes in the browser: *Smallest*, *Small*, *Normal*, *Large*, and *Largest*.
- *Default encoding* - To make sure your browser pages display text characters correctly, select the appropriate language type.
- *Cookies* - *Allow*/*Reject*. You can enable or disable the receiving and sending of cookies (a means for content providers to identify users and their preferences for frequently used content).

r1024_en.book Page 116 Thursday, July 8, 2004 12:40 PM

- *Security warnings* - Choose to hide or show security notifications.
- *Conf. DTMF sending* - *Always*/*First time only*. Choose whether you want to confirm before the phone sends DTMF tones during a voice call. See "Options during a call" on page 24. For example, you can make a voice call while you are viewing a browser page, send DTMF tones while a voice call is in progress, and save a name and phone number from a browser page into Contacts.
- *Wallet* - Choose *On* to open the wallet automatically when a compatible browser page is opened.

Applications

Go to Menu→Manager.

You can install new compatible Symbian operating system applications (SIS files) and Java™ applications (Java MIDlets and MIDlet suites) on your phone. You can also update and uninstall applications from the phone, and monitor the installation history.

Your phone supports J2ME™Java applications. Do not download PersonalJava™ applications to your phone as they cannot be installed.

Options in the Application manager main view are: *Install*, *View details*, *View certificate*, *Update*, *Go to web address*, *Remove*, *View log*, *Send log*, *Settings*, *App. downloads*, *Help*, and *Exit*.

Applications in the Application manager use shared memory. See "Shared memory" on page 9.

When you open the Application manager, you can see a list of:

- Applications saved in the Application manager.
- Partially installed applications (indicated by).
- Fully installed applications that you can remove (indicated by).

You can only use Symbian operating system applications with a .SIS extension.

Downloading an application

Your phone supports J2ME™ Java applications. Make sure that the application is compatible with your phone before downloading it. You can download new Java applications in different ways:

- Go to Menu→*Manager*→*App. downloads* and the list of available bookmarks is shown.

  Select the appropriate bookmark to connect to the desired page. If the connection fails, you may not be able to access the page from the service whose connection settings are currently active. In this case, enter the *Web* menu and activate another set of service settings. See "Making a connection" on page 111. Try again to connect to the page.

  For the availability of different services, pricing and tariffs, contact your network operator and/or the service provider.
- Go to Menu→*Web*→*Download*. Select to download an appropriate application or game.
- Use the Nokia Application installer from PC Suite to download the applications to your phone.

Important: Only install and use applications and other software from sources that offer adequate security and protection against harmful software.

- Note that when downloading an application, it may be saved in the *Games* menu instead of the *Web* menu.

Installing an application

You can install applications that are specifically intended for this phone and suitable for the Symbian operating system.

If you install an application that is not intended specifically for this phone, it may function and look different from what was originally intended.

- Open the Application manager, scroll to the application, and select Options→*Install* to start the installation.
- Alternatively, search the phone memory or the memory card, select the application, and press to start the installation.

Applications may be downloaded to your phone during browsing, received as attachments in multimedia messages or e-mails, or received via infrared or Bluetooth technology from another device, for example, a phone or a compatible PC.

Important: Use only services that you trust and that offer adequate security and protection against harmful software.

To increase protection, the application installation system uses digital signatures and certificates for applications. Do not install the application if the Application manager gives a security warning during installation.

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 backup copy of the removed application. To restore the original application, first remove the updated or repaired application and then re-install it from the original application or the backup 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 a Java™ application

The .JAR file is required for installation. If it is missing, the phone may ask you to download it. If there is no access point defined for the Application manager, you are asked to select one. When 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.

- To start a data connection and to view extra information about the application, scroll to it and select **Options**→*Go to web address*.
- To start a data connection and to check if there is an update available for the application, scroll to it and select **Options**→*Update*.

Java settings

- To change the default access point that a Java application uses for downloading extra data, select **Options**→*Settings*→*Access point*. See "Access points" on page 90.
- To change the security settings that determine the actions that a Java application is permitted to perform, select **Options**→*Settings*.

Not all Java applications permit you to change the security settings.

Launching an application

1. Go to **Menu**→*Web*→*Applications*→*Select application:*.
2. Scroll to an application or an application set (the name depends on the application).
3. Press **Options** and select *Open* or press . If the selection is a single application it is launched.

   Otherwise, a list of applications in the selected application set is displayed. To launch a single application, scroll to the desired application and press **Options** and select *Open*, or press .

Note that running some applications may consume the phone's battery faster (and you may need to connect the phone to the charger).

Other options available for an application or application set

- *Delete* - Delete the application or application set from the phone.
- *Application access* - Restrict the application from accessing the network. Select *Ask first* and the phone asks for net access, *Always allowed* to allow the net access, or *Not allowed* not to allow the net access.
- *Update* - Check if a new version of the application is available for download from the services (network service).
- *Go to web address* - Provide further information or additional data for the application from an Internet page. This feature needs to be supported by the network. It is only shown if an Internet address has been provided with the application.
- *Details* - Give additional information about the application.

Memory status for applications

Go to Menu→Extras→Memory.

This shows the amount of memory available for game and application installations.

The applications use shared memory. See "Shared memory" on page 9.

Removing an application

1. To remove an application, scroll to it and select Options→*Remove*.
2. Press Yes to confirm the removal.

If you remove an application, you can only re-install it if you have the original application or a full backup of the removed application. If you remove 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.

Games

Go to Menu→Games.

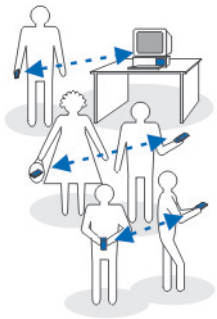
To start a game, scroll to the game icon and press [■]. For instructions on how to play the game, select Options→*Help*.

r1024_en.book Page 121 Thursday, July 8, 2004 12:40 PM

12. Connectivity

Bluetooth connection

Go to Menu→Connectivity→Bluetooth.



This device is compliant with Bluetooth wireless technology Specification 1.1 supporting the following profiles: Hands-free, Object Push Profile, File Transfer Profile, HID (Human Interface Device) Profile, Dial Up Networking Profile and Fax Profile. To ensure interoperability between other devices supporting Bluetooth wireless technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device. There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service provider.

Features using Bluetooth wireless technology, or allowing such features to run in the background while using other features, increase the demand on battery power and reduces the battery life.

Bluetooth technology enables wireless connections between electronic devices within a maximum range of 10 metres. A Bluetooth connection can be used to send images, videos, texts, business cards, calendar notes, or to connect wirelessly to compatible devices using Bluetooth technology, such as computers. Please note that not all computers using Bluetooth technology are necessarily compatible.

Since devices using Bluetooth technology communicate using radio waves, your phone and the other devices do not need to be in direct line-of-sight. The two devices only need to be within a maximum of 10 metres of each other, although the connection can be subject to interference from obstructions such as walls or from other electronic devices. Using Bluetooth technology consumes the battery and the phone's operating time is reduced. Take this into account when performing other operations with your phone. There may be restrictions on using devices using Bluetooth technology. Check with your local authorities.

When you activate Bluetooth technology for the first time, you are asked to give a name to your phone.

Bluetooth connection settings

- *Bluetooth* - *On*/*Off*.
- *My phone's visibility* - *Shown to all* - Your phone can be found by other Bluetooth devices or *Hidden* - Your phone cannot be found by other devices. For security reasons it is advisable to use the hidden mode whenever possible.
- *My phone's name* - Define a name for your phone.

After you have set the Bluetooth connection as active and changed *My phone's visibility* to *Shown to all*, your phone and this name can be seen by other Bluetooth device users.

Sending data via Bluetooth technology

There can be only one active Bluetooth connection at a time.

1. Open an application where the item you wish to send is stored. For example, to send a photo to another device, open the Gallery application.
2. Scroll to the item you want to send and select **Options**→*Send*→*Via Bluetooth*.
3. The phone starts to search for devices within range. Devices using Bluetooth technology that are within range start to appear on the display one by one. You can see a device icon, the device's name, the device type, or a short name. Paired devices are shown with . A paired device is one where a Bluetooth connection already exists between your phone and the other device.
   - To interrupt the search, press **Stop**. The device list freezes and you can start to form a connection to one of the devices already found.
4. When searching for devices, some devices may show only the unique device addresses. To find out the unique address of your phone, enter the code ***#2820#** in standby mode when the Bluetooth connection is active.

If you have searched for devices earlier, a list of the devices that were found previously is shown first. To start a new search, select *More devices*. If you switch off the phone, the list of devices is cleared and the device search needs to be started again before sending data.

5. Scroll to the device you want to connect with and press **Select**. The item you are sending is copied to Outbox and the note *Connecting* is shown.
6. Pairing (if not required by the other device, go to step 7.)
   - If the other device requires pairing before data can be transmitted, a tone sounds and you are asked to enter a passcode.
   - Create your own passcode (1-16 characters long, numeric) and agree with the owner of the other device to use the same code. This passcode is used only once and you do not have to memorise it.
   - After pairing, the device is saved to the Paired devices view.
7. When the connection has been successfully established, the note *Sending data* is shown.

Data received via Bluetooth connection can be found in the Inbox folder in Messaging. See "Inbox - receiving messages".

Icons for different devices: - *Computer*, - *Phone*, - *Audio/video*, and - *Bluetooth device*.

If sending fails, the message isor data are deleted. The Drafts folder in Messaging does not store messages sent via Bluetooth connection.

Checking the status of the Bluetooth connection

- When is shown in standby mode, the Bluetooth connection is active.
- When is blinking, your phone is trying to connect to the other device.
- When is shown continuously, the Bluetooth connection is active.

Paired devices view

Paired devices are easier to recognise, they are indicated by in the search result list. In the Bluetooth main view, press to open a list of paired devices ( ).

- **To pair with a device:** Select **Options**→*New paired device*. The phone starts a device search. Scroll to the device you want to pair with and press **Select**. Exchange passcodes. The device is added to the Paired devices list.
- **To cancel pairing:** Scroll to the device whose pairing you want to cancel and press C or select **Options**→*Delete*. If you want to cancel all pairings, select **Options**→*Delete all*.

  If you are currently connected to a device, and delete the pairing with that device, the pairing is removed and the device connection is terminated, but Bluetooth connection remains active on the handset.
- **To set a device to be authorised or unauthorised:** Scroll to the device and select **Options**→*Set as authorised* - Connections between your phone and this device can be made without your knowledge. No separate acceptance or authorisation is needed. Use this status only for your own devices that others do not have access to, for example your PC, or devices that belong to someone you trust. The icon is added next to authorised devices in the Paired devices view. *Set as unauthorised* - Connection requests from this device need to be accepted separately every time.

Receiving data via Bluetooth wireless technology

When you receive data via Bluetooth wireless technology, a tone sound is played and you are asked if you want to accept the message. If you accept, the item is placed in the Inbox folder in Messaging. Messages received via Bluetooth technology are indicated by . See "Inbox - receiving messages" on page 63.

Disconnecting Bluetooth connection

A Bluetooth connection is disconnected automatically after sending or receiving data.

r1024_en.book Page 125 Thursday, July 8, 2004 12:40 PM

Infrared connection

Go to Menu→Connectivity→Infrared.

Via infrared, you can send or receive data such as business cards and calendar notes to and from a compatible phone or data device.

Do not point the IR (infrared) beam at anyone's eye or allow it to interfere with other IR devices. This device is a Class 1 laser product.

Sending and receiving data via infrared

1. Make sure that the infrared ports of the sending and receiving devices are pointing at each other and that there are no obstructions between the devices. The preferable distance between the two devices is 1 metre at most. See "Keys and connectors" on page 16.
2. The user of the receiving device activates the infrared port.

   To activate the infrared port of your phone to receive data via infrared, go to Menu→*Connectivity*→*Infrared*.
3. The user of the sending device selects the desired infrared function to start data transfer.

   To send data via infrared, select Options→*Send*→*Via infrared* in an application.

   If data transfer is not started within 1 minute after the activation of the infrared port, the connection is cancelled and must be started again.

All items that are received via infrared are placed in the Inbox folder in Messaging. New infrared message are indicated by .

Tip: Microsoft Windows 2000: To be able to use infrared to transfer files between your phone and a compatible computer, go to Control Panel and select Wireless Link. In the Wireless Link File Transfer tab, check the Allow others to send files to your computer using infrared. After transferring the files, it is advisable to change back the default settings to prevent unauthorized file transfer.

Checking the status of the infrared connection

- When blinks, your phone is trying to connect to the other device or a connection has been lost.

- When is shown continuously, the infrared connection is active and your phone is ready to send and receive data via its infrared port.

VPN

Virtual Private Network (VPN) connections allow you to create encrypted connections over unsecured networks like the Internet. VPN connections require VPN policies, which define how network transactions are protected, and an Internet access point.

A virtual private network connection provides privacy, integrity, and nonrepudiation of data, as well as authentication and authorisation for access to networks and network services.

System administrators provide VPN policies.

Connection manager

Go to Menu→Connectivity→Connection manager.

In the 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.

You can view details of data connections only. Voice calls are not listed.

When you open the Connection manager, you can see a list of:

- Open data connections, - *Data call*, - *GPRS*.
- The status of each connection.
- Amount of data uploaded and downloaded for each connection (GPRS connections only).
- The duration of each connection (Data call connections only).

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

Options in the Connection manager main view when there are one or more connections are: *Details*, *Disconnect*, *Disconnect all*, *Help* and *Exit*.

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.
- *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 to 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* (GSM) - The dial-up number used, or *Name* (GPRS) - access point name used.
- *Shared* (not displayed 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.
- Select Options→*Disconnect all* to close all currently open connections.

Connecting your phone to a compatible computer

For further information on how to make a connection to a compatible computer via USB, infrared or Bluetooth technology, and how to install Nokia PC Suite 6.1, see the Quick Guide for Nokia PC Suite on the CD-ROM. For further information on how to use Nokia PC Suite, see the help function on PC Suite or visit the support pages at www.nokia.com.

Using your phone as a modem

Go to Menu→Connectivity→Modem.

Use your phone as a modem to connect to the Internet with a compatible PC, or to send and receive faxes.

Detailed installation instructions can be found in Quick guide for Modem Options for Nokia 6260 on the CD-ROM supplied with the phone.

Remote synchronisation

Go to Menu→Connectivity→Sync.

The Sync application enables you to synchronise your calendar or contacts with various calendar and address book applications on a compatible computer or on the Internet. Synchronisation takes place over a GSM data call or packet data connection.

The synchronisation application uses SyncML technology for synchronisation. For information on SyncML compatibility, contact the supplier of the calendar or address book application you want to synchronise your phone data with.

Creating a new synchronisation profile

Options in the Remote sync main view are: *Synchronise*, *New sync profile*, *Edit sync profile*, *Delete*, *View log*, *Help*, and *Exit*.

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 - Write a descriptive name for the profile.

   Access point - Select an access point you want to use for the data connection.

   Host address - Contact your service provider or system administrator for the correct values.

   Port - Contact your service provider or system administrator for the correct values.

User name - Your user ID for the synchronisation server. Contact your service provider or system administrator for your correct ID.

Password - Write your password. Contact your service provider or system administrator for the correct value.

Press ▶ and select the application that you wish to synchronise.

The available applications that you can synchronise may vary. Contact your service provider for more information.

3. Press **Done** to save the settings.

Synchronising data

In the Sync main view, you can see the different profiles, and what kind of data are synchronised: Calendar, Contacts, or both.

1. In the 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 is finished, press **Cancel**.

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 or contact entries have been added, updated, deleted, or discarded (not synchronised) in the phone or on the server.

r1024_en.book Page 130 Thursday, July 8, 2004 12:40 PM

13. Troubleshooting

Memory low

When the following notes are shown, the phone memory is low and you must start to delete some data: *Not enough memory to perform operation. Delete some data first.* or *Memory low. Delete some data.* To view what kind of data you have and how much memory the different data groups consume, go to **File manager** and select **Options**→*Memory details*.

You may want to delete the following items regularly to avoid memory getting low:

- Messages from the Inbox, Drafts, and Sent folders in Messaging.
- Retrieved e-mail messages from the phone memory.
- Saved browser pages.
- Images and photos in Images.

To delete contact information, calendar notes, call timers, call cost timers, game scores, or any other data, go to the respective application to remove the data.

If you are deleting multiple items and another of the following notes are shown: *Not enough memory to perform operation. Delete some data first.* or *Memory low. Delete some data.* try deleting items one by one (starting from the smallest item).

Clearing the calendar memory - To remove more than one event at a time, go to the Month view and select **Options**→*Delete entry*→ and either:

- *Before date* - to delete all calendar notes which take place before a certain date. Enter the date before which all calendar notes are deleted.

  or

- *All entries* - to delete all calendar notes.

Erasing log information - To erase all the log contents, Recent calls register, and Messaging delivery reports permanently, go to Logs and select **Options**→*Clear log* or go to *Settings*→*Log duration*→*No log*.

Different ways to store data:

- Use Nokia PC Suite 6.1 to make a backup copy of all data to a compatible computer.
- Send images to your e-mail address and then save the images to your computer (network service).
- Send data via infrared or Bluetooth technology to a compatible device.
- Store data on a compatible memory card.

Q&A

Phone display

- Q. Why do missing, discoloured or bright dots appear on the screen every time I turn on my phone?
  A. This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.

Camera

- Q: Why do images look smudgy?

  A: Check that the camera lens protection window is clean.

Bluetooth

- Q: Why can't I end a Bluetooth connection?

  A: 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*.
- Q: Why can't I find my friend's Bluetooth-enabled device.

  A: Check that both you and your friend 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.

Multimedia messaging

- Q: What should I do when the phone tells me that it cannot receive a multimedia message because the memory is full?

  A: The amount of memory needed is indicated in the error message: *Not enough memory to retrieve message. Delete some data first.* To view what kind of data you have and how much memory the different data groups consume, go to **File manager** and select **Options**→*Memory details*.

- Q: How can I end the data connection when the phone starts a data connection again and again? The brief notes on the display state that the phone is retrieving or trying to retrieve a message. What is happening?

  A: The phone is trying to retrieve a multimedia message from the multimedia messaging centre.

  Check that the settings for multimedia messaging have been defined correctly and that there are no mistakes in phone numbers or addresses. Go to **Messaging** and select **Options**→*Settings*→*Multimedia message*.

  To stop the phone from making a data connection, you have the following options. Go to **Messaging** and select **Options**→*Settings*→*Multimedia message*, and then:

  - Select *On receiving msg.*→*Defer retrieval* if you want the multimedia messaging centre to save the message to be retrieved later, for example, after you have checked the settings. After this change, the phone still needs to send information notes to the network. To retrieve the message later, select *Retr. immediately*.
  - Select *On receiving msg.*→*Reject message* - if you want to reject all incoming multimedia messages. After this change, the phone needs to send information notes to the network and the multimedia-messaging centre deletes all multimedia messages that are waiting to be sent to you.
  - Select *Multimedia reception*→*Off* - if you want to ignore all incoming multimedia messages. After this change, the phone will not make any network connections related to multimedia messaging.

Messaging

- Q: Why can't I select a contact?

  A: If you cannot select a contact in the Contacts directory, the contact card does not have a phone number or an e-mail address. Add the missing information to the contact card in the Contacts application.

Calendar

- Q: Why are the week numbers missing?

  A: If you have changed the Calendar settings so that the week starts on a day other than Monday, then the week numbers are not shown.

Browser Services

- Q: *No valid access point defined. Define one in Web settings.*

  A: Insert proper browser settings. Contact your service provider for instructions.

Log

- Q: Why does the log appear to be empty?

  A: 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*.

PC connectivity

- Q: Why do I have problems in connecting the phone to my PC?

  A: Make sure that Nokia PC Suite 6.2 is installed and running on your PC. See the Quick Guide for Nokia PC Suite on the CD-ROM. For further information on how to use Nokia PC Suite, see the help function on PC Suite or visit the support pages at www.nokia.com.

Access codes

- Q: What is my password for the lock, PIN, or PUK codes?

  A: The default lock code is **12345**. 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 service provider.

r1024_en.book Page 134 Thursday, July 8, 2004 12:40 PM

For information about passwords, contact your access point provider, for example, a commercial Internet Service Provider (ISP), service provider, or network operator.

Application not responding

- Q: How do I close an application that is not responding?

  A: Open the application switching window by pressing and holding . Then scroll to the application, and press to close the application.

r1024_en.book Page 135 Thursday, July 8, 2004 12:40 PM

14. Battery information

Your device is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, buy a new battery. Use only Nokia-approved batteries, and recharge your battery only with Nokia-approved chargers designated for this device.

Unplug the charger from the electrical plug and the device when not in use. Do not leave the battery connected to a charger. Overcharging may shorten its lifetime. If left unused, a fully charged battery loses its charge over time. Temperature extremes can affect the ability of your battery to charge.

Always switch the device off and disconnect the charger before removing the battery.

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from AC-1, ACP-7, ACP-8, ACP-9, ACP-12, LCH-8, LCH-9, or LCH-12 chargers.

To prolong the battery life of NiMh batteries, discharge the battery from time to time by leaving your device switched on until it turns itself off. Do not attempt to discharge the battery by any other means.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged.

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, reduces the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F

and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Do not dispose of batteries in a fire! Dispose of batteries according to local regulations. Recycle when possible. Do not dispose as household waste.

Warning: Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

For availability of approved enhancements, check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

Your device and its enhancements may contain small parts. Keep them out of reach of small children.

A few practical rules about accessories and enhancements.

- Keep all accessories and enhancements out of the reach of small children.
- When you disconnect the power cord of any accessory or enhancement, grasp and pull the plug, not the cord.
- Check regularly that enhancements installed in a vehicle are mounted and are operating properly.
- Installation of any complex car enhancements must be made by qualified personnel only.

r1024_en.book Page 137 Thursday, July 8, 2004 12:40 PM

Care and Maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The suggestions below help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).
- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.

All of the above suggestions apply equally to your device, battery, charger, or any enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

Additional safety information

Operating environment

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. To maintain compliance with radio frequency exposure guidelines only use enhancements approved by Nokia for use with this device. When the device is on and being worn on the body, always use an approved holder or carrying case.

Parts of the device are magnetic. Metallic materials may be attracted to the device, and persons with a hearing aid should not hold the device to the ear with the hearing aid. Always secure the device in its holder, because metallic materials may be attracted by the earpiece. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 in. (15.3 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should:

- always keep the device more than 6 in. (15.3 cm) from their pacemaker when the device is switched on;
- not carry the device in a breast pocket; and
- hold the device to the ear opposite the pacemaker to minimise the potential for interference.

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

Hearing aids

Some digital wireless devices may interfere with some hearing aids. If interference occurs, consult your service provider.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems, air bag systems. For more information, check with the manufacturer or its representative of your vehicle or any equipment that has been added.

Only qualified personnel should service the device, or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the device. Check regularly that all wireless device equipment in your vehicle is mounted and operating properly. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or enhancements. For vehicles equipped with an air bag, remember that air bags inflate with great force. Do not place objects, including installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Using your device while flying in aircraft is prohibited. Switch off your device before boarding an aircraft. The use of wireless teledevices in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas, chemical plants or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

Safety information about video games

About photosensitive seizures

A very small percentage of people may experience a seizure when exposed to certain visual images, including flashing lights or patterns that may appear in video games. Even people who have no history of seizures or epilepsy may have an undiagnosed condition that can cause photosensitive epileptic seizures while watching video games. These seizures may have a variety of symptoms, including lightheadedness, altered vision, eye or face twitching, jerking or shaking of arms or legs, disorientation, confusion, or momentary loss of awareness. Seizures may also cause loss of consciousness or convulsions that can lead to injury from falling down or striking nearby objects.

Immediately stop playing and consult a doctor if you experience any of these symptoms. Adults who allow teenagers (or children) to play the games should watch for or ask their children about these symptoms as they are more likely than adults to experience these seizures. The risk of photosensitive epileptic seizures may be reduced by playing in a well-lit room and by not playing when you are drowsy or fatigued. If you or any of your relatives have a history of seizures or epilepsy, consult a doctor before playing.

Play safely

Take a break from playing games at least every half hour. Stop playing immediately if you begin to feel tired of if you experience an unpleasant sensation or pain in your hands and/or arms. If the condition persists, consult a doctor.

Use of vibration can aggravate injuries. Do not turn vibration on if you have any ailment in the bones or joints of your fingers, hands, wrists, or arms.

Emergency calls

Important: Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1. If the device is not on, switch it on. Check for adequate signal strength.

   Some networks may require that a valid SIM card is properly inserted in the device.

2. Press as many times as needed to clear the display and ready the device for calls.
3. Key in the official emergency number for your present location. Emergency numbers vary by location.
4. Press .

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in offline or flight mode you must change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider for more information.

When making an emergency call, give all the necessary information as accurately as possible. Your wireless device may be the only means of communication at the scene of an accident. Do not end the call until given permission to do so.

Certification information (SAR)

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 2.0 W/kg*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the device.

The highest SAR value for this device when tested for use at the ear is 0.72 W/kg.

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2,2 cm away from the body.

r1024_en.book Page 142 Thursday, July 8, 2004 12:40 PM

When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the product at least 2,2 cm away from your body.

In order to transmit data files or messages, this device requires a quality connection to the network. In some cases, transmission of data files or messages may be delayed until such a connection is available. Ensure the above separation distance instructions are followed until the transmission is completed.

* The SAR limit for mobile devices used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band. For SAR information in other regions look under product information at www.nokia.com.