Nokia 6555 User Guide

Model: 6555b

The availability of particular products may vary by region. Please check with the Nokia dealer nearest to you.

This Nokia device complies with Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Export controls

This device may contain commodities, technology or software subject to export laws and regulations from the US and other countries. Diversion contrary to law is prohibited.

FCC NOTICE

Your device may cause TV or radio interference (for example, when using a telephone in close proximity to receiving equipment). The FCC can require you to stop using your telephone if such interference cannot be eliminated. If you require assistance, contact your local service facility. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by Nokia could void the user's authority to operate this equipment.

Contents

For your safety

Read these simple guidelines. Not following them may be dangerous or illegal.
Read the complete user guide for further information.

SWITCH ON SAFELY
Do not switch the phone on when wireless phone use is prohibited or
when it may cause interference or danger.

ROAD SAFETY COMES FIRST
Obey all local laws. Always keep your hands free to operate the
vehicle while driving. Your first consideration while driving should be
road safety.

INTERFERENCE
All wireless phones may be susceptible to interference, which could
affect performance.

SWITCH OFF IN HOSPITALS
Follow any restrictions. Switch the phone off near medical
equipment.

SWITCH OFF IN AIRCRAFT
Follow any restrictions. Wireless devices can cause interference in
aircraft.

SWITCH OFF WHEN REFUELLING
Do not use the phone at a refuelling point. Do not use near fuel or
chemicals.

SWITCH OFF NEAR BLASTING
Follow any restrictions. Do not use the phone where blasting is in
progress.

USE SENSIBLY
Use only in the normal position as explained in the product
documentation. Do not touch the antenna unnecessarily.

QUALIFIED SERVICE
Only qualified personnel may install or repair this product.

ENHANCEMENTS AND BATTERIES
Use only approved enhancements and batteries. Do not connect
incompatible products.

WATER-RESISTANCE
Your phone is not water-resistant. Keep it dry.

BACK-UP COPIES
Remember to make back-up copies or keep a written record of all important information stored in your phone.

CONNECTING TO OTHER DEVICES
When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

EMERGENCY CALLS
Ensure the phone is switched on and in service. Press the end key as many times as needed to clear the display and return to the start screen. Enter the emergency number, then press the call key. Give your location. Do not end the call until given permission to do so.

■ About your device

The wireless device described in this guide is approved for use on the WCDMA 850 and 1900, EGSM 850 and 900, and GSM 1800 and 1900 networks. Contact your service provider for more information about networks.

When using the features in this device, obey all laws and respect the privacy and legitimate rights of others.

When taking and using images or video clips, obey all laws and respect local customs as well as privacy and legitimate rights of others, including copyrights.

Warning: To use any features in this device, other than the alarm clock, the device must be switched on. Do not switch the device on when wireless device use may cause interference or danger.

■ Network services

To use the phone you must have service from a wireless service provider. Many of the features in this device depend on features in the wireless network to function. These network services may not be available on all networks or you may have to make specific arrangements with your service provider before you can utilize network services. Your service provider may need to give you additional instructions for their use and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Your

device may also have been specially configured for your network provider. This configuration may include changes in menu names, menu order and icons. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as multimedia messaging (MMS), browsing, e-mail application, instant messaging, presence enhanced contacts, remote synchronization, and content downloading using the browser or MMS, require network support for these technologies.

■ Shared memory

The following features in this device may share memory: Tones & Gr., contacts, text messages, multimedia messages, and instant messages, e-mail, calendar, to-do notes, Java™ games and applications, and note application. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. For example, saving many Java applications may use all of the available memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as text messages, may have a certain amount of memory specially allotted to them in addition to the memory shared with other features.

■ Enhancements

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.

General information

■ Access codes

Security code

The security code (5 to 10 digits) helps to protect your phone against unauthorized use. The preset code is 12345. To change the code, and to set the phone to request the code, see Security p. 75.

PIN codes

The personal identification number (PIN) code and the universal personal identification number (UPIN) code (4 to 8 digits) help to protect your SmartChip card against unauthorized use. See Security p. 75.

The PIN2 code (4 to 8 digits) may be supplied with the SmartChip card and is required for some functions.

The module PIN is required to access the information in the security module. See Security module p. 49.

The signing PIN is required for the digital signature. See Digital signature p. 50.

PUK codes

The personal unblocking key (PUK) code and the universal personal unblocking key (UPUK) code (8 digits) is required to change a blocked PIN code and UPIN code, respectively. The PUK2 code (8 digits) is required to change a blocked PIN2 code. If the codes are not supplied with the SmartChip card, contact your local service provider for the codes.

Restriction password

The restriction password (4 digits) is required when using the *Call restriction service*. See Security p. 75.

■ Configuration settings service

To use some of the network services, such as mobile Internet services, MMS, Nokia Xpress audio messaging, or remote Internet server synchronization, your phone needs the correct configuration settings. For more information on

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availability, contact your network operator, service provider, nearest authorized Nokia dealer, or visit the support area on the Nokia Web site, www.nokia.com/support.

When you have received the settings as a configuration message, and the settings are not automatically saved and activated, *Configuration settings received* is displayed.

To save the settings, select Show > Save. If required, enter the PIN code supplied by the service provider.

To discard the received settings, select Exit or Show > Discard.

■ Download content

You may be able to download new content (for example, themes) to the phone (network service).

For the availability of different services and pricing, contact your service provider.

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

■ Nokia support

Check www.nokia.com/support or your local Nokia website for the latest version of this guide, additional information, downloads, and services related to your Nokia product.

On the website, you can get information on the use of Nokia products and services. If you need to contact customer service, check the list of local Nokia Care contact centers at www.nokia.com/customerservice.

For maintenance services, check your nearest Nokia service center at www.nokia.com/repair.

1.   Get started

■ Install SmartChip card and battery

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

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

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For availability and information on using SmartChip card services, contact your SmartChip card vendor. This may be the service provider, network operator, or other vendor.

This device is intended for use with BL-5C battery. Always use original Nokia batteries. See Nokia battery authentication p. 78.

The SmartChip card and its contacts can easily be damaged by scratches or bending, so be careful when handling, inserting, or removing the card.

To remove the back cover of the phone, press (1) and slide the cover as shown (2).
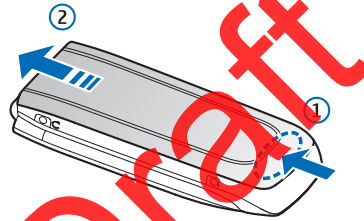
Remove the battery as shown.
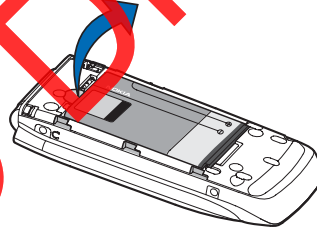
Open the SmartChip card holder (1) and lift the holder up (2).

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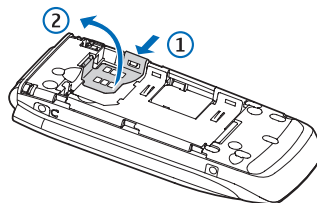
Insert the SmartChip card properly into the holder.
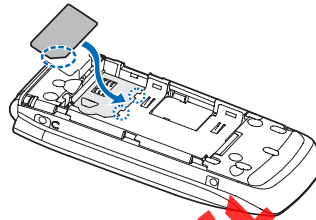
Close the SmartChip card holder.
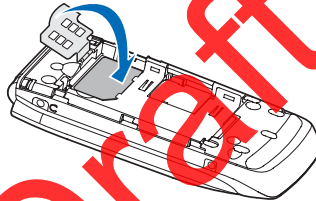
Replace the battery. To replace the back cover, align the tabs on the cover to the slots on the back of the phone (1). Push the cover into place as shown (2).
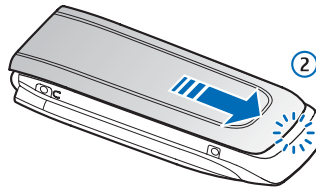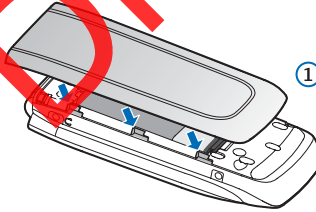
■ Insert a microSD card

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

A microSD card can be loaded with ringing tones, themes, tones, images and videos. If you delete, reload, or replace this card, these functions and features may not function properly.

Use only compatible microSD cards with this device. Other memory cards, such as Reduced Size MultiMedia cards, do not fit in the microSD 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.

Use only microSD cards approved by Nokia for use with this device. Nokia utilizes the approved industry standards for memory cards but not all other brands may function correctly or be fully compatible with this device.

1. Remove the back cover and the battery. Push the memory card holder forward (1)and swing card holder up (2),

2. Insert the card into the memory card holder with the gold-colored contact area facing up (3),

3. Close the card holder (3 and 4) and slide the back cover back in place (5). Replace the battery and back cover.
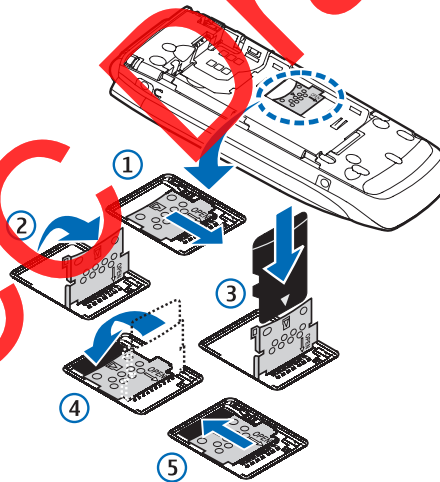
Memory card

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

You can use the microSD memory card to store your multimedia files such as video clips, music tracks, and sound files, images, and messaging data, and to back up information from phone memory.

Some of the folders in *Tones & Gr.* with content that the phone use, for example, Themes, may be stored on a memory card.

To insert and remove the microSD memory card see Insert a microSD card p. 12.

Format the memory card
When a memory card is formatted, all data on the card is permanently lost. Some memory cards are supplied preformatted and others require formatting. Consult your retailer to find out if you must format the memory card before you can use it.

To format a memory card, select Menu > *Tones & Gr.* or *Games & apps*, the memory card folder 🔲 , Options > *Format memory card* > *Yes*.

When formatting is complete, enter a name for the memory card.

Lock the memory card
To set a password to lock your memory card to help prevent unauthorized use, select Options > *Set 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. To delete the password, select Options > *Delete password*.

Check memory consumption
To check the memory consumption of different data groups and the available memory for installing new applications or software on your memory card, select Options > *Details*.

■ Charge 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 an AC-3, AC-4, or AC-5 charger.

⚠ 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, please check with your dealer. When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

1. Connect the charger to a wall socket.

2. Connect the charger to your phone.
    A CA-44 charging adapter can be used
    with older charger models.
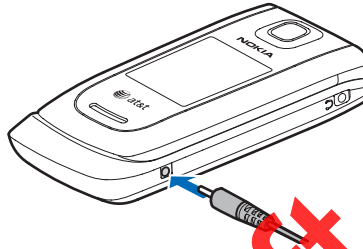
If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

The charging time depends on the charger used. Charging a BL-5C battery with the AC-3 charger takes approximately 2 hours and 20 minutes while the phone is in the standby mode.

■ Open and close the phone

Open and close the phone manually. When you open the fold of the phone, it opens up to approximately 165 degrees. Do not try to force the fold open more.

Depending on the selected theme, a tone sounds when the fold is opened or closed.

■ Switch the phone on and off

Warning: Do not switch the phone on when wireless phone use is prohibited or when it may cause interference or danger.

To switch the phone on or off, press and hold the power key. See Keys and parts p. 16.

If the phone asks for a PIN or a UPIN code, enter the code (displayed as ****), and select OK.
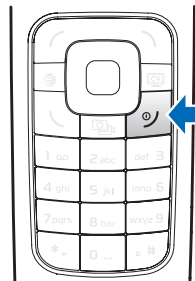
Set the time, time zone, and date

Enter the local time, select the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT), and enter the date. See Set time/date p. 67.

Plug and play service

When you switch on your phone for the first time, and the phone is in the standby mode, you are asked to get the configuration settings from your service provider (network service). Confirm or decline the query. See Configuration settings service p. 8.

■ Antenna

Your device has an internal antenna located at the bottom of the phone.

Note: As with any other radio transmitting device, do not touch the antenna unnecessarily when the device is switched on. Contact with the antenna affects call quality and may cause the device to operate at a higher power level than otherwise needed. Avoiding contact with the antenna area when operating the device optimizes the antenna performance and the battery life.

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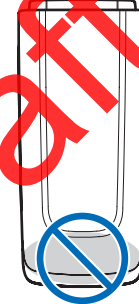
2. Your phone

■ Keys and parts

1 Earpiece

2 Main display

3 Navi^{TM} key

4 Right selection key

5 Video key

6 End and power key

7 Keypad

8 PTT key

9 Volume key

10 Micro USB connector

11 Charger connector

12 Call key

13 MEdia net key

14 Left selection key

15 Headset connector

16 Mini display
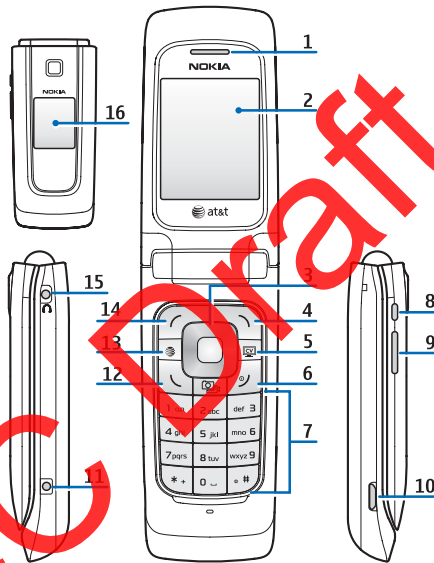
■ Standby mode

When the phone is ready for use, and you have not entered any characters, the phone is in the standby mode.

Mini display

1 Network mode indicator

2 Signal strength of the cellular network

3 Battery charge status

4 Indicators

5 Network name or the operator logo

6 Time and date
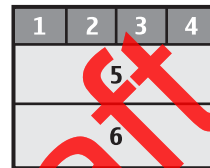
Main display

1 Network mode indicator

2 Signal strength of the cellular network

3 Battery charge status

4 Indicators

5 Network name or the operator logo

6 Clock

7 Main display

8 The left selection key

9 The middle selection key

10 The right selection key
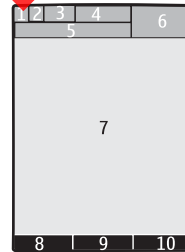
Active standby

In the active standby mode there is a list of selected phone features and information on the screen that you can directly access in the standby mode. To switch on or off the mode, select **Menu** > *Settings* > *Main display* > *Active standby* > *Active standby mode* > *On* or *Off*.

In the active standby mode, scroll up or down to navigate the list. Left and right arrows at the beginning and end of a line indicate that further information is

available by scrolling left or right. To end the active standby navigation mode, select **Exit**.
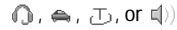
To organize and change the active standby mode, activate the navigation mode, and select **Options** > *Customize*.

Indicators

✉	You have unread messages.
⬆	You have unsent, canceled or failed messages.
➜↖	The phone registered a missed call.
🖵 , 🖵	Your phone is connected to the instant messaging service, and the availability status is online or offline.
🖴	You received one or several instant messages.
⌇0	The keypad is locked.
✗	The phone does not ring for an incoming call or text message.
◁	The alarm clock is activated.
◔	The countdown timer is running.
◔	The stopwatch is running.
G , **E**	The phone is registered to the GPRS or EGPRS network.
◨ , **E**	A GPRS or EGPRS connection is established.
◨ , **E**	The GPRS or EGPRS connection is suspended (on hold).
◈	A Bluetooth connection is active.
☺ ,	Push-to-talk connection is active or suspended.
2	If you have two phone lines, the second phone line is selected.
⬏	All incoming calls are forwarded to another number.
◀))	The loudspeaker is activated, or the music stand is connected to the phone.
┳	Calls are limited to a closed user group.

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⊙   The timed profile is selected.

🎧 , 🚗 , ⊥ , or ◁))
          A headset, handsfree, loopset, or music stand enhancement is
          connected to the phone.

■ Flight mode

You can deactivate all radio frequency functions and still have access to offline
games, calendar, and phone numbers. Use the flight mode in radio sensitive
environments—on board aircraft or in hospitals. When the flight mode is active,
✈ is shown.

Select Menu > *Settings* > *Set profile* > *Flight* > *Activate* or *Customize*.

To deactivate the flight mode, select any other profile.

In the flight mode you can make an emergency call. Enter the emergency number,
press the call key, and select Yes when asked Exit flight profile? The phone
attempts to make an emergency call.

When the emergency call ends, the phone automatically changes to the normal
profile mode.

■ Keypad lock (keyguard)

Select Menu or Unlock, and press * within 1.5
seconds to lock or unlock the keypad.

If the security keyguard is activated, enter the
security code if requested.

To answer a call when the keyguard is on, press
the call key or open the phone. When you end
or reject the call, the keypad automatically
locks.

For *Security keyguard*, see Phone settings
p. 73.

When the keyguard is on, calls still may be
possible to the official emergency number
programmed into your device.

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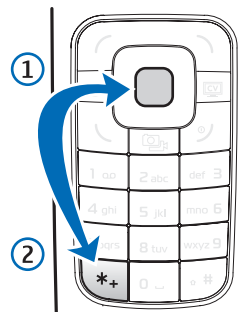
■ Functions without a SmartChip card

Several functions of your phone may be used without installing a SmartChip card (for example, the data transfer with a compatible PC or another compatible device). Without a SmartChip card, some functions appear dimmed in the menus and cannot be used.

For an emergency call, some networks may require that a valid SmartChip card is properly inserted in the device.

3.   Call functions

■ Make a voice call

1. Enter the phone number, including the area code.

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

2. To call the number, press the call key.

   To increase the volume in a call, press the volume up key and to decrease press the volume down key.

3. To end the call or to cancel the call attempt, press the end key, or close the phone.

To search for a name or phone number that you have saved in *Address book*, see Find a contact p. 62. Press the call key to call the number.

To access the list of dialed numbers, press the call key once in the standby mode. To call the number, select a number or name, and press the call key.

Speed dialing

Assign a phone number to one of the speed-dialing keys, 2 to 9. See Speed dial list p. 64. Call the number in either of the following ways:

• Press a speed-dialing key, then the call key.

• If *Speed dialing* is set to *On*, press and hold a speed-dialing key until the call begins. See *Speed dialing* in Call settings p. 72.

Enhanced voice dialing

You can say the name saved in the contact list of the phone to make a phone call. Voice commands are language-dependent. To set the language, see *Voice playback lang.* in Phone settings p. 73.

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

1. In the standby mode, press and hold the right selection key or press and hold the volume down key. A short tone is played, and *Speak now* is displayed.

2. Say the voice command clearly. If the voice recognition was successful, a list with matches is shown. The phone plays the voice command of the match on the top of the list. If the result is not the correct one, scroll to another entry.

   Using voice commands to carry out a selected phone function is similar to voice dialing. See *Voice commands* in My shortcuts p. 68 .

■ Answer or reject a call

To answer an incoming call, press the call key, or open the phone. To end the call, press the end key or close the phone.

To reject an incoming call, press the end key or close the phone. To reject an incoming call when the phone is closed, press and hold a volume key.

To mute the ringing tone, press a volume key when the phone is closed, or select *Silence* when the phone is open.

Call waiting

To answer the waiting call during an active call, press the call key. The first call is put on hold. To end the active call, press the end key.

To activate the *Call waiting* function, see Call settings p. 72.

■ Options during a voice call

Many of the options that you can use during a call are network services. For availability, contact your service provider.

During a call, select Options and from the following:

Call options are *Mute* or *Unmute*, *Address book*, *Menu*, *Lock keypad*, *Record*, *Loudspeaker* or *Handset*.

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Network services options are *Answer* or *Reject*, *Hold* or *Unhold*, *New call*, *Add to conference*, *End call*, *End all calls*, and the following:

Touch tones — to send tone strings

Swap — to switch between the active call and the call on hold

Transfer — to connect a call on hold to an active call and disconnect yourself

Conference — to make a conference call of up to five persons

Private call —to discuss privately in a conference call

> **Warning:** Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

4. Navigate the menus

The phone offers you an extensive range of functions, which are grouped into menus.

1. To access the menu, select **Menu**.

   To change the menu view, select **Options** > *Main menu view* > *List*, *Grid*, *Grid with labels*, or *Tab*.

   To rearrange the menu, scroll to the menu you want to move, and select **Options** > *Organize* > *Move*. Scroll to where you want to move the menu, and select **OK**. To save the change, select **Done** > **Yes**.

2. Scroll through the menu, and select an option (for example, *Settings*).

3. If the selected menu contains further submenus, select the one you want (for example, *Call*).

4. If the selected menu contains further submenus, repeat step 3.

5. Select the setting of your choice.

6. To return to the previous menu level, select **Back**. To exit the menu, select **Exit**.

5. Push to talk

Select **Menu** > *PTT*.

Push to talk (PTT) is a two-way radio service available over a GSM cellular network (network service).

You can use PTT to have a conversation with one person or with a group of people having compatible devices and service. While you are connected to the PTT service, you can use the other functions of the phone.

To check availability and costs, and to subscribe to the service, contact your network operator. Service availability may differ from that for normal calls. Visit www.cingular.com for additional information.

Before you can use the PTT service, you must define the required PTT service settings. See PTT settings p. 27.

■ Switch PTT on and off

To connect to the PTT service, select **Menu** > *Push to talk*. If you have added groups to the phone, you are automatically joined to the active groups. There may be a brief delay while PTT connects.

To disconnect from the PTT service, select **Menu** > *Push to talk* > *PTT settings* > *PTT Service* > *Off*.

Connection Indicators

These indicators appear on the standby screen next to the clock.

☺ PTT is connected; your status is Available

○ service is disconnected

↻ information is waiting

⊠ your status is Do Not Disturb

■ Make and receive a PTT call

⚠ **Warning:** Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

To make a group call, a one-to-one call, or a call to multiple recipients, you must hold the PTT key as long as you talk. To listen to the response, release the PTT key.

You can check the login status of your contacts in Menu > *Push to talk* > *PTT contacts*. To add a contact, select Menu > *Push to talk* > *Add Contact*. See Add a one-to-one contact p. 26 for more information.

Contact status indicators

These indicators appear next to your contacts and provide information about their connection status.

☺ contact is available

⊘ contact is available with phone set to vibrate or silent

⊗ do not disturb; you cannot contact this person

↻ invitation is in progress; you cannot contact this person

◑ contact has PTT switched off; you cannot contact this person

Make a one-to-one call

To start a one-to-one call from the list of contacts to which you have added the PTT telephone number, select Menu > *Push to talk* > *PTT contacts*. Scroll to a contact, and press and hold the PTT key. Remember that you must release the PTT key to receive their reply.

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To start a one-to-one call from the list of PTT groups, select *PTT contacts*, scroll to the desired group, and select View. Scroll to the desired contact, and press and hold the PTT key.

Make a group call

To make a call to a group, select *PTT contacts* in the PTT menu, scroll to the desired group, and press and hold the PTT key.

Make a PTT call to multiple recipients

You can select multiple PTT contacts from the contact list by creating a Quick Group. The recipients receive an incoming call and need to accept the call in order to participate.

1. Select Menu > *Push to talk* > *PTT Contacts* and mark the desired contacts. The Quick Group is automatically created.

2. Press and hold the PTT key to start the call. The participating contacts are shown on the display, as soon as they join the call.

3. Press and hold the PTT key to talk to them. Release the PTT key to hear the response.

4. Press the end key to terminate the call.

Receive a PTT call

A short tone notifies you of an incoming PTT call. Information, such as the group, the phone number, or the nickname of the caller are displayed.

You can either accept or reject an incoming one-to-one call if you have set the phone to first notify you of the one-to-one calls.

When you press and hold the PTT key while the caller is talking, you hear a queuing tone, and *Queuing* is displayed. Press and hold the PTT key, and wait for the other person to finish; then you can talk immediately.

■ Change from PTT to mobile call

You can convert a one-to-one PTT call to a standard mobile call if you initiated the PTT call. Anytime during the PTT call select Options > *Convert to Cellular*. The call recipient can then join your mobile call by pressing the PTT key.

■ Callback requests

If you make a one-to-one call and do not get a response, you can send a request for the person to call you back.

Send a callback request

You can send a callback request in the following ways:

To send a callback request from the contacts list in the *PTT* menu, select *PTT contacts*. Scroll to a contact, and select **Options** > *Call Me Alert*.

To send a callback request from the group list in the PTT menu, select *PTT contacts*, and scroll to the desired channel. Select **View**, scroll to the desired contact, and select **Options** > *Call Me Alert*.

Respond to a callback request

When someone sends you a callback request, *Please call (sender's name)* is displayed in the standby mode.

To call the sender, press and hold the PTT key.

To send a call request back to the sender, select **Options** > *Call Me Alert* .

■ Add contacts

You can add individual contacts or create contact groups to call several people at once.

Add a one-to-one contact

You can save the names of persons to whom you often make one-to-one calls in the following ways:

To add a PTT address to a name in *Address Book*, search for the desired contact, select **Details** > **Options** > *Add detail* > *Nickname*. A contact will only appear in the PTT contact list if the PTT address is entered.

To add a contact to the PTT contacts list, select **Menu** > *Push to talk* > *Add Contact*. Enter the name and telephone number of the new contact. An invitation is sent to the person.

Add a contact group

You can save a group of contacts so you can call them collectively.

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To add a PTT contact group, select **Menu** > *Push to talk* > *Add Group* and name the group.

To add an existing contact to the group, select *From PTT contacts* and mark the contacts you want added to the new group.

To add a new contact to the group, select *Enter Manually*. Enter the name and telephone number of the new contact. An invitation is sent to the person.

■ Voice messages

You can send a voice message to one of your PTT contacts or groups. From the *PTT contacts* menu, select the individual or group to receive the voice message. Select *Options* > *Voice message*. Push and hold the PTT key while speaking. Release the PTT key to deliver the message.

■ PTT settings

Select **Menu** >*Push to talk* > *PTT settings*.

My availability — to set your PTT status to Available or Do Not Disturb.

Contact Alerts — to set a notification for when a contact becomes available.

Set My Name — to set how your PTT name appears to your contacts and groups.

Auto Accept Invites — to set the phone to automatically accept invitations from other PTT users.

PTT service — to switch the PTT service on or off.

6. Write text

You can enter text (for example, when writing messages) using traditional or predictive text input. When you write text, text input indicators appear at the top of the display. indicates traditional text input. indicates predictive text input. Predictive text input allows you to write text quickly using the phone keypad and a built-in dictionary. You can enter a letter with a single keypress. indicates predictive text input with *Word suggestions*. The phone predicts and completes the word before you enter all the characters.

 , , or appears next to the text input indicator, indicating the character case. To change the character case, press #.

123 indicates number mode. To change from the letter to number mode, press and hold #, and select *Number mode*.

To set the writing language while writing text, select **Options** > *Writing language*.

■ Predictive text input

To set predictive text input on while writing a message, select **Options** > *Prediction options* > *Prediction* > *On*.

Tip: To quickly set predictive text input on or off or switch to number mode when writing text, press # twice, or select and hold **Options**.

To select the prediction input type, select **Options** > *Prediction options* > *Prediction type* > *Normal* or *Word suggestions*.

1. Start writing a word using the **2** to **9** keys. Press each key only once for one letter. The entered letters are displayed underlined.

   If you selected *Word suggestions* as prediction type, the phone starts to predict the word you are writing. After you enter a few letters, and if these entered letters are not a word, the phone tries to predict longer words. Only the entered letters are displayed underlined.

   To insert a special character, press and hold *****, or select **Options** > *Insert symbol*. Scroll to a character, and select **Use**.

   To write compound words, enter the first part of the word; to confirm it, press the scroll key right. Write the next part of the word and confirm the word.

   To enter a full stop, press **1**.

2. When you finish writing the word and it is correct, to confirm it, press **0** to add space.

   If the word is not correct, press ***** repeatedly, or select **Options** > *Matches*. When the word that you want appears, select the word.

   If the **?** character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, select **Spell**. Complete the word (traditional text input is used), and select **Save**.

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■ Traditional text input

To set traditional text input on, select **Options** > *Prediction options* >
Prediction > *Off*.

Press a number key, **1** to **9**, repeatedly until the desired character appears. Not all
characters available under a number key are printed on the key. The characters
available depend on the selected writing language.

If the next letter you want is located on the same key as the present one, wait
until the cursor appears.

The most common punctuation marks and special characters are available under
the **1** key. For more characters, press *****.

7. Messaging

You can use mobile messages to keep in touch with friends, family, and business
associates by using text messaging, which is a network service. Not all messaging
features are available in all wireless networks. Contact your service provider for
availability and subscription information.

When sending messages, your phone may display the words *Message sent*. This is
an indication that the message has been sent by your device to the message
center number programmed into your device. This is not an indication that the
message has been received at the intended destination. For more details about
messaging services, check with your service provider.

■ Text messages

Your device supports the sending of text messages beyond the character limit for
a single message. Longer messages are sent as a series of two or more messages.
Your service provider may charge accordingly. Characters that use accents or
other marks and characters from some language options, such as Spanish, take
up more space, which limits the number of characters that can be sent in a single
message.

A message length indicator appears at the top of the phone display. This indicator
allows you to see how many characters remain in the message as you are
entering text. For example, 673/2 means that there are 673 characters left and
that the message will be sent as a series of two messages.

You can use predefined templates to help you write text messages. Before you can send any text or e-mail messages, you need to configure the message settings. See Message settings p. 42.

To check SMS e-mail service availability and to subscribe to the service, contact your service provider.

Write and send

1. Select **Menu** > *Messaging* > *New message* > *Message* and enter the recipient's phone number in the *To:* field.

2. To retrieve a phone number from *Address Book*, select **Add** > *Contacts*. To send the message to multiple recipients, add the contacts you want one by one.

3. To send the message to persons in a group, select *Contact groups* and the group you want. To retrieve the contacts to which you recently sent messages, select **Add** > *Recently used*.

4. Scroll down and enter a message in the *Text* field. See Write text p. 27.

5. To insert a template in the text message, scroll to the icons below the text field to the **abc** icon. Select the template you want and select *Use*.

6. To see how the message looks to the recipient, select **Options** > *Preview*.

7. To send the message, select **Send**.

Read and reply

When you receive messages, either *1 message received* or *N messages received* is displayed, where N is the number of new messages.

1. To view a new message, select **Show**. To view it later, select **Exit**.

   To read the message later, select **Menu** > *Messaging* > *Inbox*. If more than one message has been received, select the message that you want to read. ✉ indicates an unread message in *Inbox*.

2. While reading a message, select **Options** and delete or forward the message, edit the message as a text message, move it to another folder, or view or extract message details. You can also copy text from the beginning of the message to your phone calendar as a reminder note.

3. To reply to a message, select Reply. Select *Reply as* to reply with a *Flash message* or *Audio message*. To reply as a *Multimedia* message insert an image, calendar note, sound clip, business card, theme, video clip, or web address and the message changes automatically to a multimedia message.

    Or, to change the message type for your reply message, select Options > *Change msg. type*.

    To send a text message to an e-mail address, enter the e-mail address in the *To:* field.

4. To send the message, select Send.

■ SmartChip messages

SmartChip messages are text messages that are saved to your SmartChip card. You can copy or move those messages to the phone memory, but not vice versa. Received messages are saved to the phone memory.

To read SmartChip messages, select Menu > *Messaging* > Options > *SmartChip messages*.

■ Multimedia messages

Note: Only devices that have compatible features can receive and display multimedia messages. The appearance of a message may vary depending on the receiving device.

A multimedia message (MMS) can contain text, sound, a picture, a calendar note, a business card, or a video clip. If the message is too large, the phone may not be able to receive it. Some networks allow text messages that include an internet address where you can view the multimedia message.

You cannot receive multimedia messages during a call or an active browsing session over GSM data. Because delivery of multimedia messages can fail for various reasons, do not rely solely upon them for essential communications.

Write and send a multimedia message

The wireless network may limit the size of multimedia messages. If the inserted image exceeds this limit, the device may make it smaller so that it can be sent by MMS.

To set the settings for multimedia messaging, see Multimedia p. 43. To check availability and to subscribe to the multimedia messaging service, contact your service provider.

1. Select **Menu** > *Messaging* > *New message* > *Message* > **Options** > *Change to multim.*

2. Enter a message. See Write text p. 27.

   Your phone supports multimedia messages that contain several pages (slides). A message can contain a calendar note and a business card as attachments. A slide can contain text, one image, and one sound clip; or text and a video clip.

3. To insert a slide in the message, scroll to the **Image** icon at the bottom of the display and select *Insert*. Select *Open Images* or *New image* and insert the slides you want.

4. To move the slides or text to another position, or to change the timing of showing slides, select **Options** > *Slide options* .

5. To view the message before sending it, select **Options** > *Preview*.

6. Scroll down and select **Send**. See Message sending p. 32.

7. Enter the recipient's phone number in the *To:* field.

   To retrieve a phone number from *Address Book*, select **Add** > *Contacts*.

   To send the message to multiple recipients, add the contacts you want one by one.

   To send the message to persons in a group, select *Contact groups* and the group you want.

   To retrieve the contacts to which you recently sent messages, select **Add** > *Recently used.*

Message sending

When you finish writing your message, to send the message, select **Send** or press the call key. The phone saves the message in the *Outbox* folder and sending starts. If you select *Save sent messages* > *Yes*, the sent message is saved in the *Sent* folder. See General settings p. 42.

When the phone is sending the message, the animated ⬆ is shown. Actual receipt of a message depends on a number of factors. For more details about messaging services, check with your service provider.

It takes more time to send a multimedia message than to send a text message. While the message is being sent, you can use other functions on the phone. If an interruption occurs while the message is being sent, the phone tries to resend the message a few times. If these attempts fail, the message remains in the *Outbox* folder. You can resend it later.

To cancel the sending of the messages in the *Outbox* folder, scroll to the desired message and select Options > *Cancel sending*.

Read and reply

> **Important:** Exercise caution when opening messages. Multimedia message objects may contain malicious software or otherwise be harmful to your device or PC.

When you receive multimedia messages, either *Multimedia message received* or *N messages received* is displayed, where N is the number of new messages.

1. To read the message, select Show. To view it later, select Exit.

   To read the message later, select Menu > *Messaging* > *Inbox*. In the list of messages, 📩 indicates an unread message. Select the message that you want to view.

2. To view the whole message if the received message contains a presentation, select Play.

   To view the files in the presentation or the attachments, select Options > *Objects* or *Attachments*.

3. To reply to the message, select Options > *Reply* or *Reply as*. Write the reply message.

4. To send the message, select Send. See Message sending p. 32.

Memory full

When you receive a message and the memory for the messages is full, *Memory full. Unable to receive msgs.* is shown. To delete old messages, select OK > Yes and the folder. Scroll to the message you want and select Delete.

To delete more than one message at the same time, scroll to one of the messages you want to delete and select **Options** > **Mark**. Scroll to each additional message you want to delete and select **Mark** or to delete all the messages, select **Options** > **Mark all**. When you have finished marking the messages you want to delete, select **Options** > *Delete marked*.

Folders

The phone saves received text and multimedia messages in the *Inbox* folder.

To set the phone to save the sent messages in the *Sent* folder, see *Save sent messages* in General settings p. 42.

To see any message you want to send later and have saved as a draft in the *Drafts* folder, select **Menu** > *Messaging* > *Drafts*.

You can move your messages to the *Saved items* folder. To organize your *Saved items* subfolders, select **Menu** > *Messaging* > *Saved items* > *Saved messages* or a folder you added. To add a new folder for your messages, select **Options** > *Saved items* > **Options** > *Add folder*. To delete or rename a folder, scroll to the folder you want and select **Options** > *Delete folder* or *Rename folder*.

Your phone has templates. To create a new template, save or copy a message as a template. To access the template list, select **Menu** > *Messaging* > *Saved items* > *Templates*.

■ Audio message

You can use the multimedia message service to create and send voice messages conveniently. Multimedia messaging service must be activated before you can use audio messages.

Create an audio message

1. Select **Menu** > *Messaging* > *New message* > *Audio message*, and ⬤ to start recording.

2. To stop recording, select ⬛ and a message screen is displayed.

3. To view the available options, select **Options**.

4. Enter the recipient's phone number in the *To:* field.

   To retrieve a phone number from *Address Book*, select **Add** > *Contacts*.

To send the message to multiple recipients, add the contacts you want one at a time.

To send the message to persons in a group, select *Contact groups* and the group you want.

To retrieve the contacts to which you recently sent messages, select **Add** > *Recently used.*

5. To send the message, select **Send**.

Receive an audio message

When your phone receives audio messages, either *1 audio message received*, or *N messages received* is displayed, where N is the number of new messages. To open the message, select **Play**; or if more than one message is received, select **Show** > **Play**. To listen to the message later, select **Exit**. Select **Options** to see the available options.

■ Instant messaging

Instant messaging (IM) is a way to send short, simple text messages to friends and family, regardless of the mobile system or platform they use (like the internet), as long as they all use the same IM service. Check with your service provider for availability.

Before you can use IM, you must subscribe to the service. To check the availability and costs and to subscribe to the service, contact your wireless service provider and the IM service provider from whom you receive your unique ID, password, and settings.

> **Note:** Depending on both your IM service provider and your wireless service provider, you may not have access to all of the features described in this guide.

Depending on the network, the active IM conversation may consume the phone battery faster, and you may need to connect the phone to a charger.

Register with an IM service

Before you can use IM, you must register with an IM service to obtain a user name and password. You can obtain a user name and password by registering over the internet (using your computer) with the IM service provider you have selected. During the registration process, you will have the opportunity to create the user

name and password of your choice. For more information about signing up for IM services, contact your wireless service provider.

Log in

1. Select **Menu** > *Messaging* > *IM* > and the service you want to log into.

   You must select the IM service every time you log in.

2. Enter your screen name and password if they are not already displayed.

3. Select **Options** > *Sign In*.

Depending on your IM service, you may not need to enter your user name and password manually every time you log in.

You can choose to save your password so you do not have to enter it each time you sign in, or you can choose to log in automatically and skip the log in window when you select the IM application. Scroll to **Save password** or **Automatic sign-in** and select **Mark**.

Icons and menu items

Each IM service provider has its own unique interface, so the IM menu items, display text, and icons on your phone may appear differently for each IM service. If you have questions about the differences in the various IM service providers' text and icons, contact your wireless service provider for more information.

IM menus

IM PROVIDER SELECTION MENU

When you select IM from your phone menu, a list of available IM services is displayed. Select the desired IM service to access the offline menu options: *Sign On*, *Saved Conversations*, and *Network settings*. Depending on the IM service provider you are using, these may not be the exact menu items displayed.

ONLINE MENU

After you log into IM, the following IM online options appear: *Conversations*, *Online contacts*, and *Offline contacts*. Depending on the IM service provider you are using, these may not be the exact menu items displayed.

Begin an IM session

You can send instant messages to anyone if you have the person's user name and you use the same IM service. As the conversation progresses, the most recent message appears at the bottom of the window, causing the previous messages to move up one level (some IM services may do this in the opposite direction).

If you want to chat with a person, you must first add that person to *Online contacts*. See "Contacts," p. 38.

To begin an IM session, do the following:

1. From the IM online menu, select a contact who is online.

2. A conversation window is opened, and the contact's name is displayed at the top.

3. Enter a message. When you finish the message, select OK.

Receive and reply to messages

If you have an active chat open and receive an instant message from the contact or group member with whom you are chatting, the new message is displayed on the conversation window in the sequence in which they are received. Select Write to reply.

If you receive an instant message when you have the IM application open, but do not have an active chat open, a message appears showing you have a new instant message with the name of the sender. Select Open to open the conversation window with that contact's new message displayed. To reply, select Write, enter a message, and select OK.

If you receive an instant message when you are logged in to the IM service, but do not have the IM application open on your phone, a message is displayed telling you that a new IM message has been received. Select Start to open the IM application, and view the new message.

Return to chat session

From the IM online menu, select *Conversations*. This list displays all IM conversations and group chats in which you are currently participating. To view a conversation or continue chatting, select a group name or contact name.

Use detail from a chat

If a contact sends you a phone number or URL in a chat session, you can call that phone number or connect to the URL.

From the chat session, select Menu > *Use Detail*. A list of phone numbers or URLs from the chat session is displayed. Select the desired item.

If you select a URL, the IM application closes and the web browser starts. To log back into the IM application, select Menu > *Messaging* > *IM*. The IM application opens, and you can see your conversations and contacts.

Chat session options

You can save, view, rename, or delete a chat session.

To save a chat session, while you have the conversation open, select **Menu** > *Save*, edit the name if desired, and select **OK**.

To view a saved chat session, from the IM online menu, select **Menu** > *Saved conversations*. Scroll to the desired conversation name, and select **Open**.

To rename a saved chat session, from the IM online menu, select **Menu** > *Saved conversations*. Scroll to the desired conversation name, and select **Menu** > *Rename*. Rename the conversation, and select **OK**.

To delete a saved chat session, from the IM online menu, select **Menu** > *Saved conversations*. Scroll to the desired conversation name, and select **Menu** > *Delete* > **OK**.

Set your availability

You can determine if other users can tell whether you are available or not. From the IM online menu, highlight your name at the top of the window, and select **Menu** > *My Status* > *Available*, *Invisible*, or *Busy*.

Contacts

You can add the names of contacts with whom you interact frequently by IM to the contacts list.

ADD A NEW CONTACT

To add a contact during an IM session, select **Menu** > *Add Contact* > **OK**. Enter a nickname and select **OK**.

To add a new contact from the IM online menu, select **Menu** > *Add Contact*. Enter the contact's user name for the IM service, and select **OK**. Enter a nickname for the contact, and select **OK**.

REMOVE A CONTACT

From the IM online menu, select *Online contacts* or *Offline contacts*. Scroll to the contact you wish to remove, and select **Menu** > *Delete contact* > **OK**.

Log off service

EXIT IM

From the IM online window, you can exit the IM application, but still be connected to the IM service. Select **Back** until the IM online window appears; then select **Exit**. If you open **IM** again, you do not need to log in again.

You can receive instant messages and chat invitations from your contacts when using your phone for other purposes, such as playing a game. If you are connected to your IM service, but you have not used your IM application for some time, you may be automatically disconnected from the IM service. The next time you open the IM application, you must log in again.

LOG OUT OF IM

To disconnect from the IM service, you must log out from the online window. You are taken to the IM service provider list, where you can exit the IM application or select an IM service and log in again.

From the IM online screen, select **Sign Out** > OK.

■ E-mail

E-mail provides access to certain common e-mail services. If you have an e-mail account with one of the supported e-mail services, then you can use this application to access your e-mail account. With this application you can view your inbox, compose and send e-mail, receive e-mail, receive notification of new e-mail, and delete e-mail. This e-mail application is different from the SMS and MMS e-mail function.

If you do not have an e-mail account already, visit the Web site of one of the e-mail service providers and register for an e-mail account. If you have questions regarding the cost of e-mail service, contact your wireless service provider.

Start E-mail

1. Select **Menu** > *Messaging* > *E-mail*.

2. Highlight and select the provider with which you have an e-mail account. Alternatively, you can select **Options** > *Add account* and the appropriate provider from the list.

3. Read and accept the terms of use, if you are presented with any.

4. Enter your user ID and password. Note that the password is case sensitive.

5. If you wish to have your login information remembered, highlight the checkbox option, and select **Mark**.

6. Select **Options** > *Save*.

After the account is successfully validated, it appears on the list.

If you select to have your login information remembered, when you next select that account, the first page of your e-mail inbox view will automatically be loaded.

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If the login information has not been remembered, you must login to start using your e-mail account.

View the inbox and other folders

The inbox view will load the first page of the inbox by default. Use the navigation keys to scroll up or down in the inbox.

To navigate from the inbox to another folder, scroll right or left. This switches the tab view from the current folder to the next folder. Scroll to the desired folder. Stop at the desired folder and the first page of that folder loads automatically. When folder content is loaded, it will not be updated again until you select Options > *Refresh folder*.

To view an e-mail, select the e-mail. When you highlight a particular e-mail, you see an expanded view with more details about the e-mail.

Write and send

1. To start writing an e-mail from the inbox view, select Options > *Compose New*.
2. Enter the recipient's e-mail address, a subject, and the e-mail message.
3. Select Send to send the e-mail.

Reply and forward

1. When viewing an e-mail, select Options > *Reply, Reply to all,* or *Forward*. The e-mail view loads with the appropriate fields completed.
2. Enter the remaining information.
3. Select Send to send the e-mail.

Delete

To delete an e-mail from the inbox view, select Options > *Delete*. To mark multiple e-mails to be deleted, select Options > *Mark for deletion*. To delete marked e-mail, select Options > *Delete marked*.

To delete an e-mail you are viewing, select *Delete*.

Preferences

From the inbox view, select *Options* > *Preferences* to set the following preferences:

Folder display—to view e-mails in the inbox view by their From Address or their Subject.

Delete Confirmation—to be prompted with a delete confirmation or not.

Message AutoExpand—to automatically expand the e-mail message in the inbox view when it is highlighted.

Highlight and select your desired preferences. To apply your preference changes, select *Options* > *Save*. These preferences are applied to all of your e-mail accounts.

E-mail alerts

To set e-mail alerts on or off from the inbox view, select Options > *E-mail Alerts*. If e-mail alerts are enabled, you get notifications of new e-mails. This setting only applies to the current e-mail account, and does not affect the notification settings of other e-mail accounts in *E-mail*.

■ Voice mail

If you subscribe to voice mail (network service), your service provider furnishes you with a voice mailbox number. The number may be pre-populated in your phone during the activation process. If not, you need to save this number to your phone to use voice mail. When you receive a voice message, your phone lets you know by beeping, displaying a message, or both. If you receive more than one message, your phone shows the number of messages received.

To call your voice mailbox, select Menu > *Messaging* > *Voice mail* > *Listen to voice mails*. To enter, find, or edit your voice mailbox number, select *Voice mailbox number* or, in the standby mode, press and hold 1.

If supported by the network, indicates new voice messages. Select Listen to call your voice mailbox number.

■ Service commands

Use the *Serv. commands* editor to enter and send service requests (also known as USSD commands) to your service provider. Contact your service provider for information about specific service commands. Select Menu > *Messaging* > *Serv. commands*.

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■ Delete messages

To delete messages one by one, select **Menu** > *Messaging* > *Delete messages* > *By message* and the folder from which you want to delete messages. Scroll to the message you want to delete and select **Delete**.

To delete more than one message at the same time, scroll to one of the messages you want to delete and select **Options** > *Mark*. Scroll to each additional message you want to delete and select *Mark* or, to delete all the messages, select **Options** > *Mark all*. When you have finished marking the messages you want to delete, select **Options** > *Delete marked*.

To delete all messages from a folder, select **Menu** > *Messaging* > *Delete messages* > *By folder* and the folder from which you want to delete the messages. Depending on the folder, the phone asks if you want to delete the messages. To delete, select **Yes**. Otherwise, if the folder contains unread messages or messages that are waiting to be sent, the phone asks whether you want to keep them. To keep these messages, select **Yes**.

To delete all messages from all folders, select **Menu** > *Messaging* > *Delete messages* > *All messages* > **Yes**.

■ Message settings

General settings

General settings are common for text and multimedia messages.

Select **Menu** > *Messaging* > *Message settings* > *General settings* and one of the following options:

Save sent messages > **Yes** — to set the phone to save the sent messages in the *Sent* folder

Overwriting in Sent — to select if overwriting takes place when messages are sent and the message memory is full

Font size — to select the font size used in messages

Favorite recipient — to define contacts or groups as favorites and easily found in the contacts and groups lists

Graphical smileys > **Yes** — to set the phone to replace character-based smileys with graphical ones

Text messages

The text message settings affect the sending, receiving, and viewing of text messages.

Select **Menu** > *Messaging* > *Message settings* > *Text messages* and one of the following options:

Message centers > *Add center* — to set the phone number and name of the message center that is required for sending text messages. You receive this number from your service provider.

Msg. center in use — to select the message center in use

Use packet data > *Yes* — to set GPRS as the preferred text messaging bearer

Character support > *Full* — to select all characters in the messages to be sent as viewed. If you select *Reduced*, characters with accents and other marks may be converted to other characters. When writing a message, you can check how the message will look to the recipient by previewing the message. See Write and send p. 30.

Multimedia

The multimedia message settings affect the sending, receiving, and viewing of multimedia messages and audio messages.

You may receive the configuration settings for multimedia messaging as a configuration message. See Configuration settings service p. 8. You can also enter the settings manually. See Configuration p. 74.

Select **Menu** > *Messaging* > *Message settings* > *Multimedia* and one of the following options:

Delivery reports > *On* — to ask the network to send delivery reports about your messages (network service)

MMS creation mode — to select restricted or free types of MMS messages. Selecting free allows various types of multimedia added to a message.

Image size (free or restricted)— to define the default image size used in multimedia messages

Default slide timing — to define the default time between slides in multimedia messages

Allow MMS receptn. — Enable, disable, or allow MMS in your home network only

Incoming MMS msgs. — to allow the reception of multimedia messages automatically, manually after being prompted, or to decline the reception. This setting is not shown if *Incoming MMS msgs.* is set to *Reject.*

Allow advertisements — to receive or decline advertisements. This setting is not shown if *Allow advertisements* is set to *No* or *Incoming MMS msgs.* is set to *Reject.*

Configuration sett. > Configuration — only the configurations that support multimedia messaging are shown. Select a service provider or *Default* for multimedia messaging. Select *Account* and a multimedia messaging service account contained in the active configuration settings.

E-mail messages

The settings affect the sending, receiving, and viewing of e-mail. You may receive the settings as a configuration message. See Configuration settings service p. 8. You can also enter the settings manually. See Configuration p. 74.

Select **Menu** > *Messaging* > *Message settings* > *E-mail messages* and from the following options:

Configuration — to select the set that you want to activate

Account — to select an account provided by the service provider

My name — to enter your name or nickname

E-mail address — to enter your e-mail address

Incoming server type — to select the incoming e-mail server type

Login information — to enter information according to the server type

Incoming mail settings — to select the maximum number of mails that shall be retrieved

Outgoing mail settings (SMTP) — to enter SMTP (simple mail transfer protocol) information and setting options used when sending e-mail

Display terminal window > Yes — to perform manual user authentication for intranet connections

8. Recent Calls

The phone logs the phone numbers of identified missed, received, and dialed calls, and the approximate length of your calls. The phone registers missed

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and received calls only if the network supports these functions and the phone is turned on and within the network's service area.

To view the information on your calls, select **Menu** > *Recent Calls* > *All calls* > *Missed calls*, *Calls received*, or *Calls made*. To view your recent missed and received calls and the calls made chronologically, select *All calls*. To view the contacts to whom you most recently sent messages, select *Msg. recipients*.

To view the approximate information on your recent communications, select **Menu** > *Recent Calls* > *Call time*, *Data counter*, *Pack. data timer*, or *Data transfer*.

To view how many text and multimedia messages you have sent and received, select **Menu** > *Recent Calls* > *Message log*.

> **Note:** The actual invoice for calls and services from your service provider may vary, depending on network features, rounding off for billing, taxes, and so on.

Some timers, including the life timer, may be reset during service or software upgrades.

9. MEdia Net

You can access various mobile internet services with your phone browser.

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

Check the availability of these services, pricing, and instructions with your service provider.

With the phone browser you can view the services that use wireless markup language (WML) or extensible hypertext markup language (XHTML) on their pages. Appearance may vary due to screen size. You may not be able to view all details of the internet pages.

■ Set up browsing

You may receive the configuration settings required for browsing as a configuration message from the service provider that offers the service that you want to use. See Configuration settings service p. 8. You can also enter all the configuration settings manually. See Configuration p. 74.

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■ Connect to a service

Ensure that the correct configuration settings of the service are activated.

1. To select the settings for connecting to the service, select **Menu** > *MEdia Net* > *Settings* > *Configuration sett.*

2. Select *Configuration.* Only the configurations that support browsing service are shown. Select a service provider or *Default* for browsing. See Set up browsing p. 45.

3. Select *Account* and a browsing service account contained in the active configuration settings.

4. Select *Displ. term. window* > *Yes* to perform manual user authentication for intranet connections.

Make a connection to the service in one of the following ways:

• Select **Menu** > *MEdia Net*; or in the standby mode, press and hold **0**.

• To select a bookmark of the service, select **Menu** > *MEdia Net* > *Bookmarks*.

• To select the last URL, select **Menu** > *MEdia Net* > *Last MNet addr.*

• To enter the address of the service, select **Menu** > *Go to*. Enter the address of the service, and select **OK**.

■ Browse pages

After you make a connection to the service, you can start browsing its pages. The function of the phone keys may vary in different services. Follow the text guides on the phone display. For more information, contact your service provider.

Browse with phone keys

To browse through the page, scroll in any direction.

To select an item, press the call key, or select **Select**.

To enter letters and numbers, press the **0** to **9** keys. To enter special characters, press *.

Direct calling

While browsing, you can make a phone call, and save a name and a phone number from a page.

■ Bookmarks

You can save page addresses as bookmarks in the phone memory.

1. While browsing, select Options > *Bookmarks*; or in the standby mode, select Menu > *MEdia Net* > *Bookmarks*.

2. Scroll to a bookmark, and select it, or press the call key to make a connection to the page associated with the bookmark.

3. Select Options to view, edit, delete, or send the bookmark; to create a new bookmark; or to save the bookmark to a folder.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any internet site.

Receive a bookmark

When you have received a bookmark that is sent as a bookmark, *1 bookmark received* is displayed. To view the bookmark, select Show.

■ Appearance settings

While browsing, select Options > *Other options* > *Appearance settings* and from the following options:

Text wrapping — to select how the text shall appear on the display

Font size — to set the font size

Show images > *No* — to hide images on the page

Alerts > *Alert for unsec. conn.* > *Yes* — to set the phone to alert when a secure connection changes to an unsecure one during browsing

Alerts > *Alert for unsec. items* > *Yes* — to set the phone to alert when a secure page contains an unsecure item. These alerts do not guarantee a secure connection. For more information, see Browser security p. 49.

Character encoding > *Content encoding* — to select the encoding for the browser page content

Character encoding > *Unicode (UTF-8) addr.* > *On* — to set the phone to send a URL as a UTF-8 encoding

Screen size > *Full* or *Small* — to set the screen layout

Show page title — to show the page title of a web address

JavaScript > *Enable* — to enable the Java scripts

■ Security settings

Cookies

A cookie is data that a site saves in the cache memory of your phone. Cookies are saved until you clear the cache memory. See Cache memory p. 49.

While browsing, select **Options** > *Other options* > *Security* > *Cookie settings*; or in the standby mode, select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *Cookies.* To allow or prevent the phone from receiving cookies, select *Allow* or *Reject.*

Scripts over secure connection

You can select whether to allow the running of scripts from a secure page. The phone supports WML scripts.

While browsing, to allow the scripts, select **Options** > *Other options* > *Security* > *WMLScript settings*; or in the standby mode, select **Menu** > *MEdia Net* > *Settings* > *Security settings* > *WMLScripts in conn.* > *Allow.*

■ Download settings

To automatically save all downloaded files in *Tones & Gr.*, select **Menu** > *MEdia Net* > *Settings* > *Downloading sett.* > *Automatic saving* > *On.*

■ Service inbox

The phone is able to receive service messages sent by your service provider (network service). Service messages are notifications (for example, news headlines), and they may contain a text message or an address of a service.

To access the *Service inbox* in the standby mode, when you have received a service message, select **Show**. If you select **Exit**, the message is moved to the *Service inbox*. To access the *Service inbox* later, select **Menu** > *MEdia Net* > *Service inbox*.

To access the *Service inbox* while browsing, select **Options** > *Other options* > *Service inbox*. Scroll to the message you want, and to activate the browser and download the marked content, select **Retrieve**. To display detailed information on

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the service notification or to delete the message, select **Options** > *Details* or *Delete*.

Service inbox settings

Select **Menu** > *MEdia Net* > *Settings* > *Service inbox sett.*

To set whether you want to receive service messages, select *Service messages* > *On* or *Off*.

To set the phone to receive service messages only from content authors approved by the service provider, select *Message filter* > *On*. To view the list of the approved content authors, select *Trusted channels*.

To set the phone to automatically activate the browser from the standby mode when the phone has received a service message, select *Autom. connection* > *On*. If you select *Off*, the phone activates the browser only after you select **Retrieve** when the phone has received a service message.

■ Cache memory

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 while browsing, select **Options** > *Other options* > *Clear the cache*; in the standby mode, select **Menu** > *MEdia Net* > *Clear the cache*.

■ Browser security

Security features may be required for some services, such as online banking or shopping. For such connections you need security certificates and possibly a security module, which may be available on your SmartChip card. For more information, contact your service provider.

Security module

The security module improves security services for applications requiring a browser connection, and allows you to use a digital signature. The security module may contain certificates as well as private and public keys. The certificates are saved in the security module by the service provider.

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To view or change the security module settings, select **Menu** > *Settings* > *Security* > *Security module sett.*

Certificates

⮫ **Important**: Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order 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 really trust the owner of the certificate and that the certificate really belongs to the listed owner.

There are three kinds of certificates: server certificates, authority certificates, and user certificates. You may receive these certificates from your service provider. Authority certificates and user certificates may also be saved in the security module by the service provider.

To view the list of the authority or user certificates downloaded into your phone, select **Menu** > *Settings* > *Security* > *Authority certificates* or *User certificates*.

🌐🔒 is displayed during a connection if the data transmission between the phone and the content server is encrypted.

The security icon does not indicate that the data transmission between the gateway and the content server (or place where the requested resource is stored) is secure. The service provider secures the data transmission between the gateway and the content server.

Digital signature

You can make digital signatures with your phone if your SmartChip card has a security module. Using the digital signature can be the same as signing your name to a paper bill, contract, or other document.

To make a digital signature, select a link on a page, for example, the title of the book you want to buy and its price. The text to sign, which may include the amount and date, is shown.

Check that the header text is *Read* and that the digital signature icon 🔒 is shown.

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If the digital signature icon does not appear, there is a security breach, and you should not enter any personal data such as your signing PIN.

To sign the text, read all of the text first, and select Sign.

The text may not fit within a single screen. Therefore, make sure to scroll through and read all of the text before signing.

Select the user certificate you want to use. Enter the signing PIN. The digital signature icon disappears, and the service may display a confirmation of your purchase.

10. AT&T Mall

This menu provides access to the AT&T Mall website. The AT&T Mall provides links to a variety of content such as tones, games, graphics, multimedia, and applications that may be purchased and downloaded to your phone.

If you have questions about billing or about accessing this website, please contact your service provider.

11. AT&T Music

This menu provides access to the music player and various music-related tools.

To open the music player, select Menu > *AT&T Music* > *Music player*.

See Music player p. 56, for more information on using the music player.

12. My Stuff

In this menu, you can manage graphics, images, recordings, and tones, which are files arranged in folders. This menu also includes multimedia and entertainment features available in the phone, and features that assist you in organizing daily tasks.

Your phone supports an activation key system to protect acquired content. Always check the delivery terms of any content and activation key before acquiring them, as they may be subject to a fee.

■ Tones & Graphics

In *Tones & Gr.* you can manage images, video clips, music files, themes, graphics, tones, recordings, and received files. These files are stored in the phone memory or an attached microSD memory card and may be arranged in folders.

The files stored in *Tones & Gr.* use the memory capacity of the phone. You can use a compatible memory card to extend the memory capacity to store images, themes, graphics, ringing tones, video clips, and sound clips in *Tones & Gr.*

To manage the files and folders, do the following:

1. Select **Menu** > *My Stuff* > *Tones & Gr.* A list of folders is shown. If a memory card is inserted in the phone, the folder *Memory card*, *(unformat.)* or the name of the memory card is shown.

2. Scroll to the folder you want. To view a list of files in the folder, select **Open**. For the available options, select **Options**.

3. Scroll to the file you want to view and select **Open**. For the available options, select **Options**.

Format memory card

To format a new memory card, select **Menu** > *My Stuff* > *Tones & Gr.* Scroll to the memory card folder and select **Options** > *Format mem. card*.

■ Games & Apps.

In this menu you can manage applications and games. These files are stored in the phone memory or an attached microSD memory card and may be arranged in folders.

For options to format or lock and unlock the memory card see Memory card p. 12.

Launch a game

Your phone software includes some games.

Select **Menu** > *Games & apps.* > *Games*. Scroll to the desired game, and select **Open**.

To set sounds, lights, and shakes for the game, select **Menu** > *Games & apps* > **Options** > *App. settings*. For more options, see Some application options p. 53.

Launch an application

Your phone software includes some Java applications.

Select **Menu** > *Games & apps* > *Collection*. Scroll to an application, and select **Open**.

Some application options

Update version — to check if a new version of the application is available for download from *Web* (network service)

MEdia net page— to provide further information or additional data for the application from an Internet page (network service), if available

App. access — to restrict the application from accessing the network

Download an application

Your phone supports J2ME Java applications. Make sure that the application is compatible with your phone before downloading it.

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

You can download new Java applications and games in different ways.

Use the Nokia Application Installer from PC Suite to download the applications to your phone, or select **Menu** > *Games & apps* > **Options** > *Downloads* > *App. downloads*; the list of available bookmarks is shown. See Bookmarks p. 47.

For the availability of different services and pricing, contact your service provider.

Your device may have some bookmarks loaded for sites not affiliated with Nokia. Nokia does not warrant or endorse these sites. If you choose to access them, you should take the same precautions, for security or content, as you would with any internet site.

■ Presenter

The presenter enables you to control slide presentations (compatible with Microsoft Office PowerPoint), a software DVD, an MP3 player, or other PC applications remotely from your device.

To use applications other than slide presentations and desktop mode, you must create a corresponding custom profile on the PC application.

Before you can use the application you must do the following:

1. Install the Nokia Presenter PC application on your PC.
   This component is available for download on the Nokia website. See Nokia support p. 9.

2. Launch and configure the PC component. Make sure that the selected incoming Bluetooth serial port (COM port) corresponds to the one defined in the Bluetooth software settings on the Bluetooth device of your PC. For details, refer to the PC component documentation and Set up a Bluetooth connection p. 69.

3. Open the slide presentation, or start the application you want to control remotely from your phone.

Select *Games & Apps* > *Collection* > *Presenter* > **Open** > **Connect** and the device you want to connect.

When the Bluetooth Connection Successful dialog appears on your PC screen, you must click on it to confirm the Bluetooth connection.

The list of available application types is displayed. Select **Open** to access the desired application. Select **Options** > *Settings* to set the *Speaker notes* size for the speaker notes, and *Presentation timer (in minutes)* to optimise the slide presentation time available. To save the settings, select **Options** > *Back*.

After you select the slide presentation, browse or skip slides, or jump ahead by using the scroll key. To view your speaker notes, select **Notes**. To point things out on the slides, select *Pointer* to activate a small black round marker that you control with the scroll key. Select **Options** > *Slide list* to return to the slide list. Select **Options** > *Applications list* to return to the list of applications.

To control the mouse pointer (the cursor) remotely from the phone, select the desktop mode. After you open the desktop, the phone automatically controls your mouse pointer. To return to the list of applications, select **Options** > *Applications list*.

To quit the presenter, select **Options** > *Exit*.

■ Multimedia

This submenu includes multimedia and entertainment features available in the phone.

Camera

When taking and using images or video clips, obey all laws and respect local customs as well as privacy and legitimate rights of others, including copyrights.

You can take photos or record live video clips with the built-in 1.3 megapixel camera with autofocus.

You can take photos or record video clips with the built-in camera. The camera produces pictures in JPEG format and video clips in 3GPP format. The camera lens is on the front of the phone. The color display works as a viewfinder.

Take a photo

1. Select **Menu** > *My Stuff* > *Multimedia* > *Camera* > *Capture* or press the camera key and select *Capture*.

   The phone saves the photo in **Menu** > *My Stuff* > *Tones & Gr.* > *Images* unless you set the phone to use the memory card to save photos.

2. To take another photo, select **Back**.

3. To zoom in or out, press the four-way navigation key up or down.

4. To take up to five photos in quick succession, select **Options** > *Img. sequence on* > *Sequen.* To take another photo, select **Options** > *New image*.

   The higher the resolution, the fewer photos you can take sequentially.

5. To send the photo as a multimedia message, select **Send**.

6. To set a timer to delay capturing a photo for 10 seconds, select **Options** > *Self-timer on* > *Start*.

   A beep sounds while the self-timer is running. It beeps faster when the camera is about to capture the photo. After the time-out, the camera takes the photo and saves the photo in **Menu** > *My Stuff* > *Tones & Gr.* > *Images*.

To take a photo when the lighting is dim, the camera automatically adjusts a longer exposure time so the photo quality is better.

This Nokia device supports an image capture resolution up to 1280 x 1024 pixels. The image resolution in these materials may appear different.

Record a video clip

Select **Menu** > *My Stuff* > *Multimedia* > *Video* > **Record**. To pause recording, select **Pause**; to resume recording, select **Continue**. To stop recording, select **Stop**. The phone saves the recording in **Menu** > *My Stuff* > *Tones & Gr.* > *Video clips*. To view the options, select **Options**.

Camera and video settings

Select **Menu** > *My Stuff* > *Multimedia* > *Camera* or *Video* > **Options** > *Settings* and edit the available settings.

Camera and video effects

Select **Menu** > *My Stuff* > *Multimedia* > *Camera* or *Video* > **Options** > *Effects* and one of the available options.

Music player

Your phone includes a music player for listening to music tracks, recordings, or MP3, MP4, WMA (Windows Media Audio), AAC, AAC+, or eAAC+ sound files that you have transferred to the phone with the Nokia Music Manager application. Music files are automatically detected and added to the default track list.

Play music tracks

1. Select **Menu** > *My Stuff* > *Multimedia* > *Music player* > *Go to Music player*. The details of the first track on the default track list are shown.

2. To play a track, scroll to the track and select ▶.

3. To skip to the beginning of the next track, select ▶▶. To skip to the beginning of the previous track, select ◀◀ twice.

4. To rewind the current track, select and hold ◀◀. To fast forward the current track, select and hold ▶▶. Release the key at the position you want.

5. To pause the playing, select ⏸.

> ⚠ **Warning:** Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing.

Options in Music player

In the *Music player* menu, music tracks can be saved in the following categories:

All songs — to view all music tracks

Playlists — to create new playlists, check the currently playing music, view recently added playlists or tracks, find the tracks played most often, and view all playlists

Artists — to view all music tracks by the artist's name

Albums — to view music tracks by albums

Genres — to view music tracks by genres

Videos — to view a list of music videos

Settings
In the *Settings* menu, the following options may be available:

Shuffle — to play music tracks in random order

Repeat — to repeat the current song, all songs, or to turn off repeat

Equalizer — to open the list of media equalizer sets. See Equalizer p. 58.

Stereo widening — to enhance the audio output of the phone by enabling a wider stereo sound effect

Music player theme — to select the theme or skin of the music player

Other options
Go to Music menu — to go to the main music menu

Now playing — to view the track currently playing

Add to playlist — to add the current song to the *Favorites* track list.

Downloads — to download music through web.

MEdia Net page — to go to MEdia Net

Mute audio — to mute the audio

Play via Bluetooth — to connect and play music through a bluetooth enabled audio accessory using bluetooth connection.

Voice recorder
You can record pieces of speech, sound, or an active call. This is useful when recording a name and phone number for writing them down later.

Record sound
1. Select **Menu** > *My Stuff* > *Multimedia* > *Voice recorder*.

2. To start recording, select ⏺ . To start recording during a call, select **Options** > *Record*. While recording a call, all parties to the call hear a faint beeping

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sound. When recording a call, hold the phone in the normal position near to your ear.

3. To stop recording, select ▉.

    The recording is saved in **Menu** > *My Stuff* > *Tones & Gr.* > *Audio*.

4. To listen to the latest recording, select **Options** > *Play last recorded*.

5. To send the last recording using bluetooth or as a multimedia message, select **Options** > *Send last recorded*.

List of recordings

1. Select **Menu** > *My Stuff* > *Multimedia* > *Voice recorder* > **Options** > *Audio list*.

    The list of folders in *Tones & Gr.* is shown.

2. Open *Audio* to see the list with recordings.

3. Select **Options** to select options for files in *Tones & Gr.* See Tones & Graphics p. 52.

Define a storage folder

To use a folder other than *Audio* as the default folder in *Tones & Gr.*, select **Menu** > *My Stuff* > *Multimedia* > *Voice recorder* > **Options** > *Select memory* and a folder from the list.

Equalizer

To control the sound quality when using the music player by amplify or diminish frequency bands.

Select **Menu** > *My Stuff* > *Multimedia* > *Equalizer*.

To activate a set, scroll to one of the equalizer sets, and select **Activate**.

To view, edit, rename, and select your own settings, select *Set 1* or *Set 2* > **Options** > *View*, *Edit*, or *Rename*. Only Set 1 and Set 2 can be edited or renamed.

Stereo widening

Stereo widening enhances the audio output of the phone by enabling a wider stereo sound effect. To change the setting, select **Menu** > *My Stuff* > *Multimedia* > *Stereo*.

■ Tools

Your Nokia mobile phone has many useful features for organizing your everyday life. The following features are found in *Tools*: alarm clock, calendar, to-do list, notes, calculator, countdown timer, and stopwatch.

Alarm clock

The alarm clock uses the time format set for the clock. The alarm clock works even when the phone is turned off if there is enough power in the battery.

To set the alarm, select **Menu** > *My Stuff* > *Tools* > *Alarm clock* > *Alarm time* and enter the alarm time. To change the alarm time when the alarm time is set, select *On.* To set the phone to alert you on selected days of the week, select *Repeat alarm*.

To select the alarm tone or set a radio channel as the alarm tone, select **Menu** > *My Stuff* > *Tools* > *Alarm clock* > *Alarm tone.* If you select the radio as an alarm tone, connect the headset to the phone. The phone uses the last channel you listened to as the alarm, and the alarm plays through the loudspeaker. If you remove the headset or switch off the phone, the default alarm tone replaces the radio.

To set a snooze time-out, select *Snooze time-out* and the time you want.

Alert tone and message

The phone sounds an alert tone and flashes *Alarm!* and the current time on the display, even if the phone is switched off. To stop the alarm, select **Stop**. If you let the phone continue to sound the alarm for a minute or select **Snooze**, the alarm stops for the selected snooze time-out and then resumes.

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 select **Stop**, the device asks whether you want to activate the device for calls. Select **No** to switch off the device or **Yes** to make and receive calls. Do not select **Yes** when wireless phone use may cause interference or danger.

Calendar

The calendar helps you keep track of reminders, calls that you need to make, meetings, and birthdays.

Select **Menu** > *My Stuff* > *Tools* > *Calendar*.

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The current day is indicated by a frame in the month view. If there are any notes set for the day, the day is in bold type. To view the day notes, select View. To view a week, select Options > *Week view*. To delete all notes in the calendar, select the month or week view and Options > *Delete all notes*.

Other options for the calendar day view are make a note; delete, edit, or move a note; copy a note to another day; send a note with Bluetooth wireless technology; or send a note as a text message or multimedia message to the calendar of another compatible phone. In *Settings*, you can set the date and time settings. In the *Auto-delete notes* option, you can set the phone to delete old notes automatically after a specified time.

Make a note
Select Menu > *My Stuff* > *Tools* > *Calendar*, the date you want, and Options > *Make a note*, and one of the following note types: *Meeting*, *Call*, *Birthday*, *Memo* or *Reminder*.

Note alarm
The phone beeps and displays the note. If a call note appears, to call the displayed number, press the call key. To stop the alarm and to view the note, select View. To stop the alarm for 10 minutes, select Snooze. To stop the alarm without viewing the note, select Exit.

To-do list

To save a note for a task that you have to do, select a priority level for the note, and mark it as done when you have completed it. Notes can be sorted by priority or by date.

To-do notes
1. Select Menu > *My Stuff* > *Tools* > *To-do list*.

2. If no note is added, select Add note; otherwise, select Options > Add.

3. Write the note, select the priority, set the deadline and the alarm type for the note, and select Save.

4. To view a note, scroll to it and select View.

Notes

Use *Notes* to write and send notes to compatible devices by using text messaging or MMS.

1. Select **Menu** > *My Stuff* > *Tools* > *Notes*.

2. To make a note if one is not added, select **Add note**; otherwise, select **Options** > *Make a note*.

3. Write the note and select **Save**.

4. To view a note, scroll to it and select **View**.

Calculator

The calculator in your phone provides basic arithmetic and trigonometric functions; calculates the square, the square root, and the inverse of a number; and converts currency values.

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

Select **Menu** > *My Stuff* > *Tools* > *Calculator*. Press # for a decimal point. Scroll to the desired operation or function, or select it from the **Options**.

To save the exchange rate, select **Options** > *Exchange rate*. To perform the currency conversion, enter the amount to be converted and select **Options** > *Foreign unit in domestic units* or *Domestic unit in foreign units*.

Countdown timer

1. Select **Menu** > *My Stuff* > *Tools* > *Countd. timer* > *Normal timer*; enter the alarm time in hours, minutes, and seconds; and select **OK**.

   You can write your own note text, which will display when the time expires.

2. To start the timer, select **Start**.

3. To change the countdown time, select *Change time*.

4. To stop the timer, select *Stop timer*.

If the alarm time is reached when the phone is in the standby mode, the phone sounds a tone and flashes the note text (if it is set) or *Countdown completed*. Stop the alarm by pressing any key. If no key is pressed, the alarm automatically stops within 60 seconds. To stop the alarm and to delete the note text, select **Exit**. To restart the countdown timer, select **Restart**.

<u>Stopwatch</u>

You can measure time, take intermediate times, or take lap times using the stopwatch. During timing, the other functions of the phone can be used. To set the stopwatch timing in the background, press the end key.

Using the stopwatch or allowing it to run in the background when using other features increases the demand on battery power and reduces the battery life.

13. Address Book

In *Address Book*, you can store and manage contact information, such as names, phone numbers, and addresses. You can save names and numbers in the internal memory of the phone, the SmartChip card memory, or in a combination of the two. Names and numbers saved in the SmartChip card memory, are indicated by ▣ .

■ Find a contact

Select **Menu** > *Address Book* > *Names* and scroll through the list of contacts or enter the first letter of the name you are trying to find.

■ Save names and phone numbers

Names and numbers are saved in the used memory. Select **Menu** > *Address Book* > *Names* > **Options** > *Add new contact*. Enter the last name, first name, and phone number.

■ Save numbers, items, or an image

In the phone memory for contacts, you can save different types of phone numbers and short text items per name. You can also assign a ringing tone to a contact.

The first number you save is automatically set as the default number and it is indicated with a frame around the number type indicator (for example, ☎). When you select a name, the default number is used unless you select another number.

1. Make sure that the memory in use is either *Phone* or *Phone and SChip*. See Settings p. 64.

2. Scroll to the name to which you want to add a new number or text item and select Details > Options > *Add detail.*

3. To add a number, select *Number* and one of the number types.

4. To add another detail, select a text type, an image from *Tones & Gr.*, or a new image.

5. To change the number type, scroll to the number you want and select Options > *Change type.* To set the selected number as the default number, select *Set as default.*

6. Enter the number or text item. To save it, select Save.

7. To return to standby mode, select Back > Exit.

■ Copy contacts

To copy a name and phone number from the phone memory to the SmartChip card memory, or vice versa, select Menu > *Address book* > *Names* > Options > *Copy contact.* To move all contacts from the SmartChip card to phone memory, or vice versa, select Menu > *Address book* > *Move contacts* or *Copy contacts* > *From phone to SChip* or *From SChip to phone.* To copy more than one contact, but not all contacts, select Menu > *Address book* > *Names* > Options > *Mark.* Scroll and mark the contacts you want to move and select *Move marked* or *Copy marked.*

■ Edit contact details

1. Find the contact you want to edit, select *Details;* and scroll to the name, number, text item, or image you want.

2. To edit a name, number, or text item, or to change image, select Options > *Edit.*

You cannot edit an ID when it is on the *IM contacts* or the *Subscribed names* list.

■ Delete contacts or details

To delete all the contacts and the details attached to them from the phone or SmartChip card memory, select Menu > *Address Book* > *Delete all contacts* > *From phone memory* or *From SmartChip.* Confirm with the security code.

To delete a contact, find the contact you want and select Options > *Delete contact.*

To delete a number, text item, or an image attached to the contact, find the contact and select Details. Scroll to the desired detail and select Options > *Delete* > *Delete number*, *Delete detail*, or *Delete image*. Deleting an image from contacts does not delete it from *My Stuff*.

■ Business cards

You can send and receive a person's contact information from a compatible device that supports the vCard standard as a business card.

To send a business card, find the contact whose information you want to send and select Details > Options > *Send business card* > *Via multimedia*, *Via text message*, or *Via Bluetooth*.

When you have received a business card, select Show > *Save* to save the business card in the phone memory. To discard the business card, select Exit > Yes.

■ Settings

Select Menu > *Address Book* > *Settings* and one of the following options:

Memory in use — to select the SmartChip card or phone memory for your contacts. Select *Phone and SChip* to recall names and number from both memories. In that case, when you save names and numbers, they are saved in the phone memory.

Address book view — to select how the names and numbers in *Address Book* are displayed

Name display — to select whether the contact's first or last name is displayed first

Font size — to set the font size for the list of contacts

Check memory — to view the free and used memory capacity

■ Groups

Select Menu > *Address Book* > *Groups* to arrange the names and phone numbers saved in the memory into caller groups with a different ringing tone and a group image.

■ Speed dial list

To assign a number to a speed dialing key, select Menu > *Address Book* > *Speed dial list*, and scroll to the speed-dialing number that you want.

Select **Assign** or, if a number has already been assigned to the key, select **Options** > *Change*. Select **Find** and the contact you want to assign. If the *Speed dialing* function is off, the phone asks whether you want to activate it.

To make a call using speed dialing, see Speed dialing p. 20.

■ Service and my numbers

Select **Menu** > *Address Book* and one of the following options:

Service numbers — to call the service numbers of your service provider, if the numbers are included on your SmartChip card (network service)

My numbers — to view the phone numbers assigned to your SmartChip card. This is only shown if the numbers are included on your SmartChip card.

14. Settings

■ Set profiles

Your phone has various settings groups called profiles, for which you can customize the phone tones for different events and environments.

Select **Menu** > *Settings* > *Set profile* and the desired profile and from the following options:

Activate — to activate the selected profile

Customize — to customize the profile. Select the setting you want to change, and make the changes.

Timed — to set the profile to be active until a certain time up to 24 hours, and set the end time. When the time set for the profile expires, the previous profile that was not timed becomes active.

■ Set theme

A theme contains elements for personalizing your phone.

Select **Menu** > *Settings* > *Set theme* and from the following options:

Select theme — to set a theme. A list of folders in *Tones & Gr.* opens. Open the *Themes* folder, and select a theme.

Themes — to open a list of links to download more themes

■ Tones

You can change the tone settings of the selected active profile.

Select **Menu** > *Settings* > *Tones*. You can find the same settings in the *Set profile* menu.

To set the phone to ring only for calls from phone numbers that belong to a selected caller group, select *Alert for*. Scroll to the caller group you want or *All calls*, and select **Mark**.

Select **Options** > *Save* to save the settings or *Cancel* to leave the settings unchanged.

If you select the highest ringing tone level, the ringing tone reaches its highest level after a few seconds.

■ Main Display

Select **Menu** > *Settings* > *Main display* and from the available options:

Wallpaper — to add the background image in the standby mode

Active standby — to switch the active standby mode on or off and to organize and personalize the active standby mode.

Standby mode font color — to select the color for the texts in the standby mode

Navigation key icons — to display the icons of the current navigation key shortcuts in the standby mode when active standby is off

Notification details — to display contact information in missed calls and messages received.

Fold animation — to set your phone to display an animation when you open and close the phone

Font size — to set the font size for messaging, contacts and web pages

Operator logo — to set your phone to display or hide the operator logo

■ Mini display

Select **Menu** > *Settings* > *Mini display*. You can change the settings for *Wallpaper*, *Screen saver*, *Power saver*, *Sleep mode*, and *Fold animation*.

■ Set time/date

To change the time, time zone, and date settings, select **Menu** > *Settings* > *Set time/date* > *Date & time settings*, *Date and time format*, or *Auto-update of time* (network service).

When traveling to a different time zone, select **Menu** > *Settings* > *Date and time* > *Time* > *Time zone* and the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT) or Universal Time Coordinated (UTC). The time and date are set according to the time zone and enable your phone to display the correct sending time of received text or multimedia messages. For example, GMT -5 denotes the time zone for New York (USA), 5 hours west of Greenwich/London (UK).

■ My shortcuts

With personal shortcuts you get quick access to often used functions of the phone.

Left selection key

To select a function from the list, select **Menu** > *Settings* > *My shortcuts* > *Left selection key*.

If the left selection key is **Go to** to activate a function, in the standby mode, select **Go to** > **Options** and from the following options:

Select options — to add a function to the shortcut list or to remove one

Organize — to rearrange the functions on your personal shortcut list

Right selection key

To select a function from the list, select **Menu** > *Settings* > *My shortcuts* > *Right selection key*.

Navigation key

To assign other phone functions from a predefined list to the navigation key (scroll key), select **Menu** > *Settings* > *My shortcuts* > *Navigation key*.

Active standby key

To select a navigation key to activate the active standby mode, select **Menu** > *Settings* > *My shortcuts* > *Active standby key*.

Settings

Voice commands

To call contacts and carry out phone functions, say the voice commands. Voice commands are language-dependent. To set the language, see *Recognition lang.* in Phone settings p. 73.

To select the phone functions to activate with voice commands, select **Menu** > *Settings* > *My shortcuts* > *Voice commands* and a folder. Scroll to a function. indicates that the voice tag is activated. To activate the voice tag, select **Add**. To play the activated voice command, select **Play**. To use voice commands, see Enhanced voice dialing p. 21.

To manage the voice commands, scroll to a phone function, and select from the following options:

Edit or *Remove* — to change or deactivate the voice command of the selected function

Add all or *Remove all* — to activate or deactivate voice commands to all functions in the voice commands list

■ Connectivity

You can connect the phone to a compatible device using a Bluetooth wireless technology or a USB data cable connection. You can also define the settings for EGPRS dial-up connections.

Bluetooth wireless technology

This device is compliant with Bluetooth Specification 2.0 + EDR supporting the following profiles: generic access, network access, generic object exchange, hands-free, headset, object push, file transfer, dial-up networking, SIM card access, personal area network profile, service discovery application profile, generic audio/video distribution profile, advanced audio and distribution profile, audio/video remote control profile, generic audio/video distribution profile, and serial port. To ensure interoperability between other devices supporting Bluetooth 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.

Settings

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

Bluetooth technology allows you to connect the phone to a compatible Bluetooth device within 10 meters (32 feet). 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, although the connection can be subject to interference from obstructions such as walls or from other electronic devices.

Set up a Bluetooth connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth* and from the following options:

Bluetooth > *On* or *Off* — to activate or deactivate the Bluetooth function. indicates that Bluetooth is activated. When activating Bluetooth technology for the first time, you are asked to give a name for the phone. Use a unique name that is easy for others to identify.

Search audio enhanc. — to search for compatible Bluetooth audio devices. Select the device that you want to connect to the phone.

Paired devices — to search for any Bluetooth device in range. Select **New** to list any Bluetooth device in range. Select a device, and **Pair**. Enter an agreed Bluetooth passcode of the device (up to 16 characters) to associate (pair) the device to your phone. You must only give this passcode when you connect to the device for the first time. Your phone connects to the device, and you can start data transfer.

Bluetooth wireless connection

Select **Menu** > *Settings* > *Connectivity* > *Bluetooth*. To check which Bluetooth connection is currently active, select *Active devices*. To view a list of Bluetooth devices that are currently paired with the phone, select *Paired devices*.

Bluetooth settings

To define how your phone is shown to other Bluetooth devices, select **Menu** > *Settings* > *Connectivity* > *Bluetooth* > *Bluetooth settings* > *My phone's visibility* or *My phone's name*.

If you are concerned about security, turn off the Bluetooth function, or set *My phone's visibility* to *Hidden*. Always accept only Bluetooth communication from others with whom you agree.

Packet data

General packet radio service (GPRS) is a network service that allows mobile phones to send and receive data over an internet protocol (IP)-based network.

To define how to use the service, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data conn.* and from the following options:

When needed — to set the packet data connection to established when an application needs it. The connection will be closed when the application is terminated.

Always online — to set the phone to automatically connect to a packet data network when you switch the phone on

Modem settings

You can connect the phone using Bluetooth wireless technology or USB data cable connection to a compatible PC and use the phone as a modem to enable GPRS connectivity from the PC.

To define the settings for connections from your PC, select **Menu** > *Settings* > *Connectivity* > *Packet data* > *Packet data settings* > *Active access point*, and activate the access point you want to use. Select *Edit active access pt.* > *Packet data acc. pt.*, enter a name to change the access point settings, and select OK. Select *Packet data acc. pt.*, enter the access point name (APN) to establish a connection to an network, and select OK.

You can also set the EGPRS dial-up service settings (access point name) on your PC using the Nokia Modem Options software. See Nokia PC Suite p. 76. If you have set the settings both on your PC and on your phone, the PC settings are used.

Data transfer

Synchronize your calendar, contacts data, and notes with another compatible device (for example, a mobile phone), a compatible PC, or a remote Internet server (network service).

Your phone allows data transfer with a compatible PC or another compatible device when using the phone without a SmartChip card.

Transfer contact list

To copy or synchronize data from your phone, the name of the device and the settings must be in the list of transfer contacts. If you receive data from another device (for example, a compatible mobile phone), the corresponding transfer contact is automatically added to the list, using the contact data from the other device. *Server sync* and *PC synchronisation* are the original items in the list.

To add a new transfer contact to the list (for example a mobile phone), select **Menu** > *Settings* > *Connectivity* > *Data transfer* > **Options** > *Add transfer contact* > *Phone synchronisation* or *Phone copy*, and enter the settings according to the transfer type.

To edit the copy and synchronize settings, select a contact from the transfer contact list and **Options** > *Edit*.

To delete a transfer contact, select it from the transfer contact list, select **Options** > *Delete*.

Data transfer with a compatible device

For synchronization use Bluetooth wireless technology or a cable connection. The other device must be activated for receiving data.

To start data transfer, select **Menu** > *Settings* > *Connectivity* > *Data transfer* and the transfer contact from the list, other than *Server sync* or *PC synchronisation*. According to the settings, the selected data is copied or synchronized.

Synchronize from a compatible PC

To synchronize data from calendar, notes, and contacts, install the Nokia PC Suite software for your phone on the PC. Use Bluetooth wireless technology or a USB data cable for the synchronization, and start the synchronization from the PC.

Synchronize from a server

To use a remote internet server, subscribe to a synchronization service. For more information and the settings required for this service, contact your service provider. You may receive the settings as a configuration message. See Configuration settings service p. 8 and Configuration p. 74.

To start the synchronization from your phone, select **Menu** > *Settings* > *Connectivity* > *Data transfer* > *Server sync*. Depending on the settings, select *Initialising syn-chronisation* or *Initialising copy*.

Synchronizing for the first time or after an interrupted synchronization may take up to 30 minutes to complete.

USB data cable

You can use the CA-101 USB data cable to transfer data between the phone and a compatible PC or a printer supporting PictBridge. You can also use the USB data cable with Nokia PC Suite.

To activate the phone for data transfer or image printing, connect the data cable. Confirm *USB data cable connected. Select mode.* and select from the following options:

Nokia mode — to use the phone to interact with applications on a PC that has Nokia PC Suite

Printing & Media — to use the phone with a PictBridge compatible printer, or to connect the phone to a PC to synchronize it with Windows Media Player (music, video)

Data storage — to connect to a PC that does not have Nokia software and use the phone as a data storage

To change the USB mode, select **Menu** > *Settings* > *Connectivity* > *USB data cable* > *Nokia mode*, *Printing & Media*, or *Data storage*.

■ Call settings

Select **Menu** > *Settings* > *Call settings* and from the following options:

Call forwarding — to forward your incoming calls (network service). You may not be able to forward your calls if some call restriction functions are active. See *Call restrictions* in Security p. 75.

Any key answer > *On* — to answer an incoming call by briefly pressing any key, except the power key, the camera key, the left and right selection keys, or the end key

Automatic redial > *On* — to make a maximum of 10 attempts to connect the call after an unsuccessful call attempt

Voice clarity > *Active* — to enhance speech intelligibility especially in noisy environments

Speed dialing > *On* — to dial the names and phone numbers assigned to the speed-dialing keys **2** to **9** by pressing and holding the corresponding number key

Call waiting > *Activate* — to have the network notify you of an incoming call while you have a call in progress (network service). See Call waiting p. 21.

Summary after call > *On* — to briefly display the approximate duration and cost (network service) of the call after each call

Send my caller ID > *Yes* — to show your phone number to the person you are calling (network service). To use the setting agreed upon with your service provider, select *Set by network*.

Answ. if fold opened > *On* — to answer an incoming call by opening the fold

■ Phone settings

Select **Menu** > *Settings* > *Phone settings* and from the following options:

Language settings — to set the display language of your phone, select *Phone language*. *Automatic* selects the language according to the information on the SmartChip card. To set a language for the voice playback, select *Recognition lang*. See Enhanced voice dialing p. 21 and *Voice commands* in My shortcuts p. 67.

Check memory — to view the amount of used and available phone memory

Automatic keyguard — to set the keypad of your phone to lock automatically after a preset time delay when the phone is in the standby mode and no function of the phone has been used. Select *On*, and set the time.

Security keyguard — to set the phone to ask for the security code when you unlock the keyguard. Enter the security code, and select *On*.

Welcome note — to write the note that is shown when the phone is switched on

Software updates — to update phone software or check the current software

Network mode — to select dual mode (UMTS and GSM), UMTS, or GSM. You cannot access this option during an active call.

Help text activation — to select whether the phone shows help texts

Start-up tone > *On* — the phone plays a tone when switched on

Switch off tone > *On* — the phone plays a tone when switched off

Fold close handling — to select whether to return to standby mode or keep all applications open when the fold is closed

Flight query > *On* — the phone asks whether to use the flight profile every time when switched on. With flight profile all radio connections are switched off. The flight profile should be used in areas sensitive to radio emissions.

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S e t t i n g s

■ Enhancements

This menu or the following options are shown only if the phone is or has been connected to a compatible mobile enhancement.

Select **Menu** > *Settings* > *Enhancements*. Select an enhancement, and depending on the enhancement, from the following options:

Charger > *Default profile* — to select the profile that you want to be automatically activated when you connect to the selected enhancement

Charger > *Lights*—to set the lights permanently *On*. Select *Automatic* to set the lights on for 15 seconds after a key press.

Hearing aid > *T-coil hrng. aid mode* > *On* to optimize the sound quality when using a t-coil hearing aid. is shown when the *T-coil hrng. aid mode* is active.

Headphones — to select the activated profile when a headset in connected.

■ Configuration

You can configure your phone with settings required for certain services to function correctly. Your service provider may also send you these settings. See Configuration settings service p. 8.

Select **Menu** > *Settings* > *Configuration* and from the following options:

Default config. sett. — to view the service providers saved in the phone. To set the configuration settings of the service provider as default settings, select **Options** > *Set as default*.

Activ. def. in all apps. — to activate the default configuration settings for supported applications

Preferred access pt. — to view the saved access points. Scroll to an access point, and select **Options** > *Details* to view the name of the service provider, data bearer, and packet data access point or GSM dial-up number.

Connect to support— to download the configuration settings from your service provider

Personal config. sett. — to add new personal accounts for various services manually, and to activate or delete them. To add a new personal account if you have not added any, select **Add**; otherwise, select **Options** > *Add new*. Select the service type, and select and enter each of the required parameters. The parameters differ according to the selected service type. To delete or activate a personal account, scroll to it, and select **Options** > *Delete* or *Activate*.

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■ Security

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

Select **Menu** > *Settings* > *Security* and from the following options:

PIN code request — to set the phone to ask for your PIN code every time the phone is switched on. Some SmartChip cards do not allow the code request to be turned off.

Call restrictions — to restrict incoming calls to and outgoing calls from your phone (network service). A restriction password is required.

Fixed dialing — to restrict your outgoing calls to selected phone numbers if this function is supported by your SmartChip card. When the fixed dialing is on, GPRS connections are not possible except while sending text messages over a GPRS connection. In this case, the recipient's phone number and the message center number must be included in the fixed dialing list.

Security level > *Phone* — to set the phone to ask for the security code whenever a new SmartChip card is inserted into the phone. If you select *Memory*, the phone asks for the security code when the SmartChip card memory is selected, and you want to change the memory in use.

Access codes — to change the security code, PIN code, UPIN code, PIN2 code, or restriction password

Code in use — to select whether the PIN code or UPIN code should be active

PIN2 code request — to select whether the PIN2 code is required when using a specific phone feature which is protected by the PIN2 code. Some SmartChip cards do not allow the code request to be turned off.

Authority certificates — to view the list of the authority certificates downloaded into your phone. See Certificates p. 50.

User certificates — to view the list of the user certificates downloaded into your phone. See Certificates p. 50

Security module sett. — to view *Secur. module details*, select *Module PIN request*, or change the module PIN and signing PIN. See also Access codes p. 8.

■ Digital rights management

Digital rights management (DRM) is copyright protection, designed to prevent modification and to limit distribution of protected files. When you download

protected files, such as sound, video, themes, or ringing tones to your phone, the files are free, but locked. You pay for the key to activate the file, and the activation key is automatically sent to your phone when you download the file.

To view the permissions for a protected file, scroll to the file, and select **Options** > *Activation keys*. For example, you can see how many times you can view a video or how many days you have left for listening to a song.

To extend the permissions for a file, select **Options** and the corresponding option for the file type, such as *Activate theme*. You can send certain types of protected files to your friends, and they can buy their own activation keys.

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

This phone supports OMA DRM 1.0 and 2.0.

■ Reset device

To reset some of the menu settings to their original values, select **Menu** > *Settings* > *Reset device*. Enter the security code. The names and phone numbers saved in *Address book*, are not deleted.

15. PC connectivity

You can send and receive e-mail, and access the Internet when your phone is connected to a compatible PC through a Bluetooth or a data cable connection. You can use your phone with a variety of PC connectivity and data communications applications.

■ Nokia PC Suite

With Nokia PC Suite you can synchronize contacts, calendar, notes, and to-do notes between your phone and the compatible PC or a remote internet server (network service). You may find more information and PC Suite on the Nokia website at www.nokia.com/support or your local Nokia website.

■ Packet data, HSCSD, and CSD

With your phone you can use the packet data, high-speed circuit switched data (HSCSD), and circuit switched data (CSD, *GSM data*) data services. For availability

and subscription to data services, contact your network operator or service provider. See Modem settings p. 70.

The use of HSCSD services consumes the phone battery faster than normal voice or data calls.

■ Bluetooth

Use the Bluetooth technology to connect your compatible laptop to the internet. Your phone must have activated a service provider that supports internet access and your PC has to support Bluetooth PAN (personal area network). After connecting to the network access point (NAP) service of the phone and pairing with your PC your phone automatically opens a packet data connection to the internet. PC Suite software installation is not necessary when using the NAP service of the phone.

See Bluetooth wireless technology p. 68.

■ Data communication applications

For information on using a data communication application, refer to the documentation provided with it.

Making or answering phone calls during a computer connection is not recommended, as it might disrupt the operation.

For better performance during data calls, place the phone on a stationary surface with the keypad facing downward. Do not move the phone by holding it in your hand during a data call.

16. Battery information

■ Charging and discharging

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, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

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If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger and then disconnect and reconnect it to start the charging.

Unplug the charger from the electrical plug and the device when not in use. Do not leave fully charged battery connected to a charger, since overcharging may shorten its lifetime. If left unused, a fully charged battery will lose its charge over time.

If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made.

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, will reduce 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 as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

■ Nokia battery authentication

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging, and inspect the hologram label using the following steps:

Successful completion of the four steps is not a total assurance of the authenticity of the battery. If you have any reason to believe that your battery is not an authentic original Nokia battery, you should refrain from using it, and take it to the nearest authorized Nokia service point or dealer for assistance. Your authorized Nokia service point or dealer will inspect the battery for authenticity. If authenticity cannot be verified, return the battery to the place of purchase.

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Authenticate hologram

1. When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.

2. When you angle the hologram left, right, down, and up, you should see 1, 2, 3, and 4 dots on each side respectively.

3. Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.

4. Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.
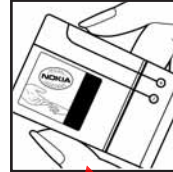
To create a text message enter the 20-digit code, for example, 12345678919876543210, and send to +44 7786 200276.

To create a text message

- For countries in Asia Pacific, excluding India: Enter the 20-digit code, for example, 12345678919876543210, and send to +61 427151515.

- For India only: Enter Battery followed by the 20-digit battery code, for example, Battery 12345678919876543210, and send to 5555.

National and international operator charges will apply.

You should receive a message indicating whether the code can be authenticated.

What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service point or dealer for assistance. The use of a battery that

is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

To find out more about original Nokia batteries, visit www.nokia.com/battery.

FCC Draft

Care and maintenance

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

*   Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will 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.

*   Do not touch the main display with hard or angular materials. Objects like earrings or jewelry may scratch the display.

*   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. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.

*   Use chargers indoors.

*   Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

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.

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Additional safety information

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

■ 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. This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2.2 centimeters (5/8 inch) away from the body. When a carry case, belt clip or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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 that the above separation distance instructions are followed until the transmission is completed.

Parts of the device are magnetic. Metallic materials may be attracted to the device. 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 15.3 centimeters (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers should do the following:

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- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker
- Not carry the device in a breast pocket
- Hold the device to the ear opposite the pacemaker to minimize the potential for interference.

If you suspect interference, switch off your device, and move the device away.

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, and 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 refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel

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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.

■ 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 SmartChip card is properly inserted in the device.

2. Press the end key as many times as needed to clear the display and ready the device for calls.

3. Enter the official emergency number for your present location. Emergency numbers vary by location.

4. Press the call key.

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 the 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 mobile device meets guidelines for exposure to radio waves

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves recommended by international guidelines. These guidelines were developed by the independent scientific organization ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

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The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear is x.xx W/kg.

Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at www.nokia.com.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.25 W/kg and when properly worn on the body is 0.88 W/kg. Information about this device model can be found at http://www.fcc.gov/oet/fccid by searching the equipment authorization system using FCC ID QMNRM-289.

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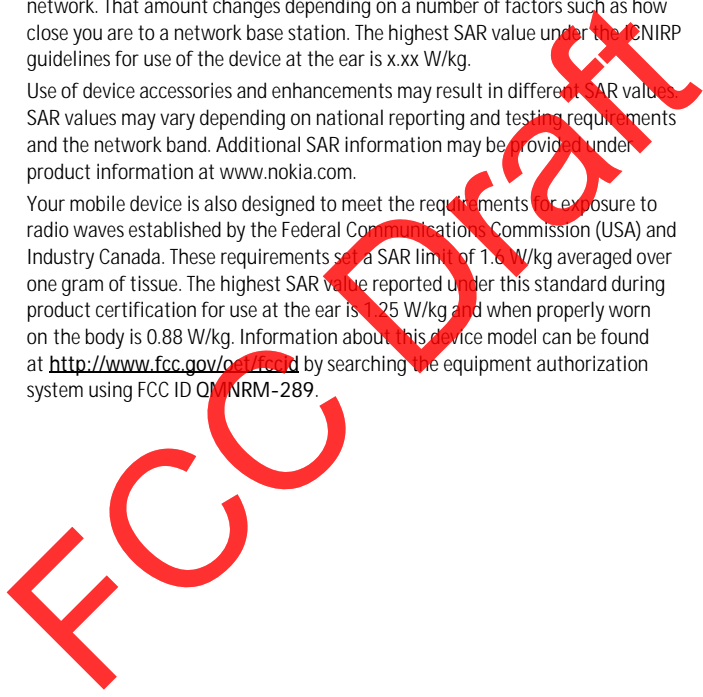
■ Technical information

Dimensions: Width 44.3 mm (1.74 inches), Length 99.6 mm (3.92 inches), Depth 19.6 mm (0.77 inch)

Weight: < 96 grams (3.38 ounces) with BL-5C Li-Ion Battery

Wireless networks: WCDMA 850, 900, 1800, 1900 MHz GSM

Frequency range (Tx): WCDMA 850: 824–849 MHz; 900: 880–915 MHz; 1800: 1710–1785 MHz; 1900: 1850–1910 MHz

Frequency range (Rx): WCDMA 850: 869–894 MHz; 900: 925–960 MHz; 1800: 1805–1880 MHz; 1900: 1930–1990 MHz

Bluetooth: 2402.0 - 2480.0 MHz

■ Battery information

This section provides information about battery charging times with the Travel Charger (AC-6), talk-times, and standby times. Be aware that the information in this section is subject to change. For more information, contact your service provider.

Charging times

The following charging times are approximate:

Travel Charger (AC-3): up to 2 hours 20 minutes

Talk and standby times

Operation times are estimates only and depend on signal strength, phone use, network conditions, features used, battery age and condition (including charging habits), temperatures to which the battery is exposed, and many other factors.

Talk time: up to 3.17 hours

Standby time: up to xx days

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