**Nokia 7230 User Guide**

# Contents

# 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 device 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 devices may be susceptible to
interference, which could affect
performance.

**SWITCH OFF IN RESTRICTED AREAS**

Follow any restrictions. Switch the device off in aircraft, near medical equipment, fuel, chemicals, or blasting areas.

**QUALIFIED SERVICE**

Only qualified personnel may install or repair this product.

**ACCESSORIES AND BATTERIES**

Use only approved accessories and batteries. Do not connect incompatible products.

**WATER-RESISTANCE**

Your device is not water-resistant. Keep it dry.

## General information

### About your device

The wireless device described in this guide is approved for use on the GSM 850, 900, 1800, 1900 and WCDMA 900, 1900, and 2100 MHz networks. Contact your service provider for more information about networks.

Your device may have preinstalled bookmarks and links for third-party internet sites and may allow you to access third-party sites. These are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you access such sites, take precautions for security or content.

**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.

When using this device, obey all laws and respect local customs, privacy and legitimate rights of others, including copyrights. Copyright protection

may prevent some images, music, and other content from being copied, modified, or transferred.

Make back-up copies or keep a written record of all important information stored in your device.

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

The images in this guide may differ from your device display.

Refer to the user guide for other important information about your device.

### Network mode

To select the type of network to use, select **Menu** > **Settings** > **Phone** > **Network mode**. You cannot access this option during an active call.

### Network services

To use the device you must have service from a wireless service provider. Some features are not available on all networks; other features may require that you make specific arrangements with

your service provider to use them. Network services involve transmission of data. Check with your service provider for details about fees in your home network and when roaming on other networks. Your service provider can explain what charges will apply. Some networks may have limitations that affect how you can use some features of this device requiring network support such as support for specific technologies like WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols and language-dependent characters.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, these features will not appear on your device menu. Your device may also have customized items such as menu names, menu order, and icons.

**Shared memory**

The following features in this device may share memory: multimedia messaging (MMS), e-mail application, instant messaging. Use of one or more of these features may reduce the memory available for the remaining features. If your device displays a message that the memory is full, delete some of the information stored in the shared memory.

### Access codes

The security code helps to protect your device against unauthorised use. The preset code is 12345. You can create and change the code, and set the device to request the code. Keep the code secret and in a safe place separate from your device. If you forget the code and your device is locked, your device will require service. Additional charges may apply, and all the personal data in your device may be deleted. For more information, contact a Nokia Care point or your device dealer.

The PIN code supplied with the SIM card protects the card against unauthorised use. The PIN2 code supplied with some SIM cards is required to access certain services. If you enter the PIN or PIN2 code incorrectly three times in succession, you are asked for the PUK or PUK2 code. If you do not have them, contact your service provider.

The module PIN is required to access the information in the security module of your SIM card. The signing PIN may be required for the digital signature. The barring password is required when using the call barring service.

To set how your device uses the access codes and security settings, select **Menu** > **Settings** > **Security**.

### Software updates using your PC

Nokia Software Updater is a PC application that enables you to update your device software. To update your device software, you need a compatible PC, broadband internet access, and a compatible USB data cable to connect your device to the PC.

To get more information, to check the release notes for the latest software versions, and to download the Nokia Software Updater application, see www.nokia.com.hk/softwareupdate or your local Nokia website.

To update the device software, do the following:

1  Download and install the Nokia Software Updater application to your PC.
2  Connect your device to the PC using a USB data cable, and select **PC Suite**.
3  Open the Nokia Software Updater application. The Nokia Software Updater application guides

you to back up your files, update the software, and restore your files.

## Support

When you want to learn more about how to use your product or you are unsure how your device should function, see the user guide or see the support pages at www.nokia.com/support or your local Nokia website, or with a mobile device, www.nokia.mobi/support.

If this does not resolve your issue, do one of the following:

- Restart the device: switch off the device, and remove the battery. After about a minute, replace the battery, and switch on the device.
- Restore the original factory settings as explained in the user guide.
- Update your device software regularly for optimum performance and possible new features, as explained in the user guide.

If your issue remains unsolved, contact Nokia for repair options. See www.nokia.com.hk/repair.
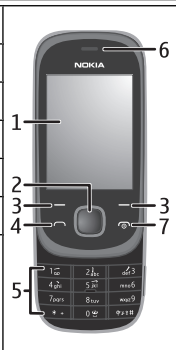
Before sending your device for repair, always back
up the data in your device.

# Get started

## Keys and parts

| 1 | Display |
|---|---------|
| 2 | Navi™ key (scroll key) |
| 3 | Selection keys |
| 4 | Call key |
| 5 | Keypad |
| 6 | Earpiece |
| 7 | End/Power key |

| 8 | Charger connector |
|---|---|
| 9 | USB port |
| 10 | Headset connector |
| 11 | Lens |
| 12 | Capture key |
| 13 | Wrist strap eyelet |
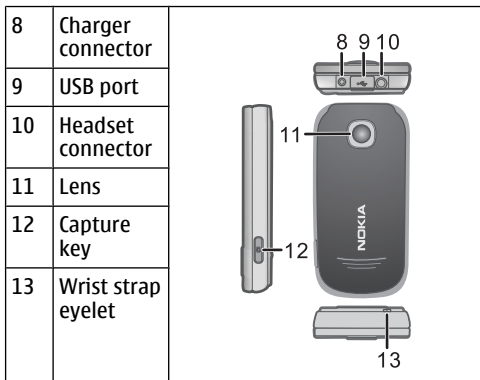
## Install SIM card

The SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting, or removing the card.
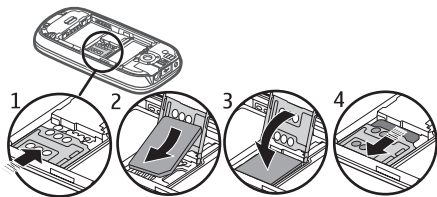
1. Remove the battery if inserted, and slide the SIM card holder to unlock.
2. Open the card holder.
3. Insert the SIM card into the holder with the contact surface facing down.
4. Close the card holder.
5. Slide the card holder to lock.

**Insert a memory card**

Use only compatible MicroSD cards approved by
Nokia for use with this device. Nokia uses approved
industry standards for memory cards, but some
brands may not be fully compatible with this device.
Incompatible cards may damage the card and the
device and corrupt data stored on the card.

Your device supports microSD cards with a capacity
of up to 16 GB. The size of a single file must not
exceed 2 GB.

**Insert a memory card**
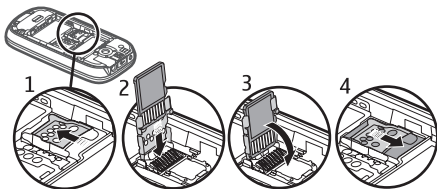
1  Remove the battery if inserted, and slide the
   memory card holder to unlock.
2  Swing the card holder open.

3 Insert the memory card into the card holder with the contact surface facing down.
4 Close the card holder.
5 Slide the card holder to lock.

**Insert battery**
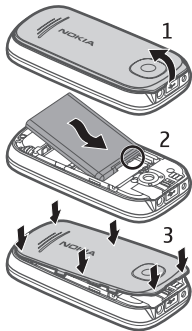
1 Remove the back cover if in place, observe the battery contacts, and insert the battery.

2   Replace the back cover.

## Charge the battery

Your battery has been partially charged at the factory. If the device indicates a low charge, do the following:

1   Connect the charger to a wall outlet.



2   Connect the charger to the device.
3   When the device indicates a full charge, disconnect the charger from the device, then from the wall outlet.

You can also charge the battery with a USB cable with power from a computer.

1   Connect the USB cable to a USB port of a computer and to your device.

2    When the battery is fully charged, disconnect
     the USB cable.

You do not need to charge the battery for a specific
length of time, and you can use the device while it
is charging. If the battery is completely discharged,
it may take several minutes before the charging
indicator appears on the display or before any calls
can be made.

Charging the device while listening to the radio may
affect the quality of reception.

**Switch on and off**

Press and hold the power key.

**Display**
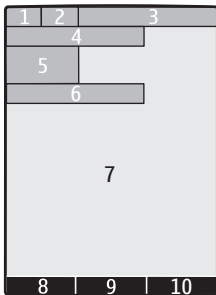


1 Signal strength of the cellular network
2 Battery charge status
3 Indicators
4 Name of the network or the operator logo
5 Clock
6 Date (only if the enhanced home screen is deactivated)
7 Display
8 Function of the left selection key
9 Function of the scroll key

**10**  Function of the right selection key

You can change the function of the left and right selection key. See "Shortcuts", p. 44.

**Keypad lock**

To prevent accidental keypresses, close the phone, and select **Lock** within 5 seconds to lock the keypad.

To unlock the keypad, select **Unlock** > **OK**, or open the phone. If the security keyguard is on, enter the security code when requested.

To set the keypad to lock automatically after a preset time when the phone is in the standby mode, select **Menu** > **Settings** > **Phone** > **Automatic keyguard** > **On**.

To answer a call when the keypad is locked, press the call key. When you end or reject the call, the keypad locks automatically.

When the device or keypad is locked, calls may be possible to the official emergency number programmed into your device.

**GSM antenna**



Your device may have internal and external antennas. Avoid touching the antenna area unnecessarily while the antenna is transmitting or receiving. Contact with antennas affects the communication quality and may cause a higher power level during operation and may reduce the battery life.

The figure shows the GSM antenna area marked in grey.

**Accessories**
**Connect a USB cable**

Open the cover of the USB connector, and connect
the USB cable to the device.
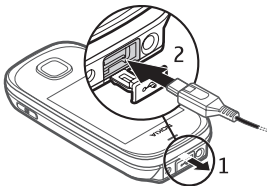
**Headset**

**Warning:**
When you use the headset, your ability to hear
outside sounds may be affected. Do not use the
headset where it can endanger your safety.

When connecting any external device or any
headset, other than those approved by Nokia for use
with this device, to the Nokia AV Connector, pay
special attention to volume levels.

Do not connect products that create an output signal as this may cause damage to the device. Do not connect any voltage source to the Nokia AV Connector.

**Strap**
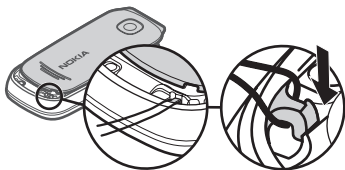
1  Open the back cover.
2  Thread the strap, and tighten it.
3  Close the back cover.

## Calls

### Make and answer a call

To make a call, enter the phone number, including the country and area code if necessary, and press the call key. To adjust the volume of the earpiece or headset during the phone call, scroll up or down.

To answer an incoming call, press the call key. To reject the call without answering, press the end key.

#### Loudspeaker

If available, you may select **Loudsp.** or **Handset** to use the loudspeaker or the earpiece of the phone during a call.

#### Warning:
Continuous exposure to high volume may damage your hearing. Listen to music at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

### Dialling shortcuts

**Assign a phone number to a number key**

Select **Menu** > **Contacts** > **Speed dials**, scroll to a desired number (2-9), and select **Assign**. Enter the desired phone number, or select **Search** and a saved contact.

**Activate speed dialling**

Select **Menu** > **Settings** > **Call** > **Speed dialling** > **On**.

**Make a call using speed dialling**

In the standby mode, press and hold the desired number key.

## Write text

### Text modes

To enter text (for example, when writing messages) you can use traditional or predictive text input.

When you write text, press and hold **Options** to switch between traditional text input, indicated by

, and predictive text input, indicated by . Not all languages are supported by predictive text input.

The character cases are indicated by Abc, abc, and ABC.

To change the character case, press **#**. To change from the letter to number mode, indicated by 123, press and hold **#**, and select **Number mode**. To change from the number to the letter mode, press and hold **#**.

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

## Traditional text input

Press a number key, 2-9, repeatedly until the desired character appears. The available characters 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, and enter the letter.

To access the most common punctuation marks and special characters, press **1** repeatedly. To access the

list of special characters, press **\***. To insert a space, press **0**.

## Predictive text input

Predictive text input is based on a built-in dictionary to which you can also add new words.

1. Start writing a word, using the keys **2** to **9**. Press each key only once for one letter.
2. To confirm a word, scroll right or add a space.

   - If the word is not correct, press **\*** repeatedly, and select the word from the list.
   - 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**. Enter the word using traditional text input, and select **Save**.
   - To write compound words, enter the first part of the word, and scroll right to confirm it. Write the last part of the word, and confirm the word.
3. Start writing the next word.

## Navigate the menus

The device functions are grouped into menus. Not all menu functions or option items are described here.

In the home screen, select **Menu** and the desired menu and submenu.

**Exit the current menu level**
Select **Exit** or **Back**.

**Return to the home screen**
Press the end key.

**Change the menu view**
Select **Menu** > **Options** > **Main menu view**.

## Messaging

Create and receive messages, such as text and multimedia, with your device. The messaging services can only be used if your network or service provider supports them.

## Text and multimedia messages

You can create a message and optionally attach, for example, a picture. Your phone automatically changes a text message to a multimedia message when a file is attached.

## Text messages

Your device supports text messages beyond the limit for a single message. Longer messages are sent as two or more messages. Your service provider may charge accordingly. Characters with accents, other marks, or some language options take more space, and limit the number of characters that can be sent in a single message.

The total number of characters left and the number of messages needed for sending are displayed.

To send messages, the correct message centre number must be stored in your device. Normally, this number is set by default through your SIM card.

To set the number manually, do the following:

1   Select **Menu** > **Messaging** > **More** > **Msg. settings** > **Text messages** > **Message centre**.
2   Enter the name and number supplied by your service provider.

**Multimedia messages**

A multimedia message can contain text, pictures, and sound or video clips.

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

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

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

For availability and subscription to the multimedia messaging service (MMS), contact your service provider.

**Create a message**

1 Select **Menu** > **Messaging** > **Create message**.
2 Write your message.

   To insert a special character or a smiley, select **Options** > **Insert symbol**.

   To attach an object to the message, select **Options** > **Insert object**. The message type changes automatically to multimedia message.
3 To add recipients, select **Send to** and a recipient.

   To enter a phone number or mail address manually, select **Number or e-mail**. Enter a phone number, or select **E-mail**, and enter a mail address.
4 Select **Send**.

Multimedia messages are indicated with an icon at the top of the display.

Service providers may charge differently depending on the message type. For details, contact your service provider.

**Flash messages**

Flash messages are text messages that are instantly displayed upon reception.

Select **Menu** > **Messaging**.

1 Select **More** > **Other messages** > **Flash message**.
2 Write your message.
3 Select **Send to** and a contact.

**Nokia Xpress audio messages**

Create and send audio messages using MMS in a convenient way.

Select **Menu** > **Messaging**.

1 Select **More** > **Other messages** > **Audio message**. The voice recorder opens.
2 To record your message, select ●.
3 To stop recording, select ■.

4   Select **Send to** and a contact.

### Nokia Mail

Access your mail account with your device to read, write, and send mail. This mail application is different from the SMS mail function.

Before you can use mail, you must have an mail account from an mail service provider. For availability and the correct settings, contact your mail service provider. You may receive the mail configuration settings as a configuration message.

### Mail setup wizard

The mail setup wizard opens automatically if no mail settings are defined in the device. To add an additional mail account, select **Menu** > **Messaging** > **More** > **E-mail** and **New account**. Follow the instructions.

### Write and send a mail

You may write your mail before connecting to the mail service.

1   Select **Menu** > **Messaging** > **More** > **E-mail**
    and **Create e-mail**.
2   Enter the recipient's mail address, the subject,
    and the mail message. To attach a file, select
    **Options** > **Insert**.
3   If more than one mail account is defined, select
    the account from which you want to send the
    mail.
4   Select **Send**.

**Read a mail and reply**

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

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

**Download mail headers**
Select your mail account.

**Download a mail and its attachments**
Select a mail and **Open** or **Retrieve**.

**Reply to or forward a mail**
Select **Options** > **Reply** or **Forward**.

**Disconnect from your mail account**
Select **Options** > **Disconnect**. The connection to the mail account automatically ends after some time without activity.

## Instant messaging

With instant messaging (IM, network service) you
can send short text messages to online users. You
must subscribe to a service and register with the IM
service you want to use. Check the availability of this
service, pricing, and instructions with your service
provider. The menus may vary depending on your
IM provider.

To connect to the service, select **Menu** >
**Messaging** > **IMs** and follow the instructions on the
display.

## Voice messages

The voice mailbox is a network service to which you
may need to subscribe. For more information,
contact your service provider.

### Call your voice mailbox
Press and hold **1**.

**Edit your voice mailbox number**

Select **Menu** > **Messaging** > **More** > **Voice messages** and **Voice mailbox no.**.

**Message settings**

Select **Menu** > **Messaging** and **More** > **Msg. settings**.

Select from the following:

**General settings** — Set the font size for messages, and activate graphical smileys and delivery reports.

**Text messages** — Set up message centres for text messages and SMS mail.

**Multimedia msgs.** — Allow delivery reports and the reception of multimedia messages and advertisements, and set up other preferences related to multimedia messages.

**Service messages** — Activate service messages, and set up preferences related to service messages.

## Contacts

Select **Menu** > **Contacts**.

You can save names and phone numbers in the device memory or on the SIM card. In the device memory, you can save contacts with numbers and text items. Names and numbers saved on the SIM card are indicated with 🔳.

**Add a contact**
Select **Add new**.

**Add details to a contact**
Ensure that the memory in use is either **Phone** or **Phone and SIM**. Select **Names**, scroll to the name, and select **Details** > **Options** > **Add detail**.

**Search for a contact**

Select **Names**, and scroll through the list of contacts or enter the first letters of the name.

**Copy a contact to another memory**

Select **Names**, scroll to the contact, and select **Options** > **More** > **Copy contact**. On the SIM card, you can save only one phone number for each name.

**Select where to save contacts, how contacts are displayed, and the memory consumption of contacts**

Select **More** > **Settings**.

**Send a business card**

In the contacts list, scroll to a contact, and select **Options** > **More** > **Business card**. You can send and receive business cards from devices that support the vCard standard.

# Call log

To view the information on your calls, messages,
data, and synchronisation, select **Menu** > **Log** and
the desired item.

**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 forth.

# Settings

### Profiles

Waiting for a call, but can't let your device ring?
There are various settings groups called profiles,
which you can customise with ringing tones for
different events and environments.

Select **Menu** > **Settings** > **Profiles**.

Select the desired profile and from the following:

**Activate** — Activate the profile.

**Personalise** — Modify the profile settings.

**Timed** — Set the profile to be active until a certain time. When the time set for the profile expires, the previous profile that was not timed becomes active.

### Tones

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

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

### Display

To view or adjust the wallpaper, font size, or other features related to the device display, select **Menu** > **Settings** > **Display**.

### Date and time

Select **Menu** > **Settings** > **Date and time**.

To set the date and time, select **Date & time settings**.

To set the formats for date and time, select **Date &
time format**.

To set the phone to update the time and date
automatically according to the current time zone,
select **Auto-update of time** (network service).

**Shortcuts**

With personal shortcuts, you can get quick access to
frequently used phone functions.

Select **Menu** > **Settings** > **My shortcuts**.

**Assign phone functions to the selection keys**

Select **Right selection key** or **Left selection key**
and a function from the list.

**Select shortcut functions for the scroll key**

Select **Navigation key**. Scroll to the desired
direction, and select **Change** or **Assign** and a
function from the list.

## Synchronisation and backup

Select **Menu** > **Settings** > **Sync & backup**.

Select from the following:

**Phone switch** — Synchronise or copy selected data between your device and another device.

**Create backup** — Back up selected data.

**Restore backup** — Restore data from a backup. To view the details of a backup file, select **Options** > **Details**.

**Data transfer** — Synchronise or copy selected data between your device and a network server (network service).

## Connectivity

Your phone has several features that allow you to connect to other devices to transmit and receive data.

At Nokia, we understand how important it is that your mobile phone or device operates reliably and that your personal content is saved safely.

Any information from an unknown or unreliable source, via Bluetooth connectivity, multimedia message, or cable, may harm your PC, mobile phone, or device. You may protect your mobile phone or device from damage and keep it secured by following simple measures:

- Always keep Bluetooth connectivity closed unless you want your phone or device to be visible to others.
- Always be alert when receiving information from an unknown or untrustworthy source.
- Do not download or install any applications that may include software harmful to your phone or device.
- Always download and install applications or content from trusted or well-known sources, such as Nokia Software Market, where good protection is provided against viruses and other harmful software.

**Bluetooth wireless technology**

Bluetooth technology allows you to connect your device, using radio waves, to a compatible Bluetooth device within 10 metres (32 feet).

This device is compliant with Bluetooth Specification 2.1 + EDR supporting the following profiles: Dial-up Networking Profile (DUN) FileTransfer Profile (FTP) General Access Profile (GAP) Generic Object Exchange Profile (GOEP) Handsfree Profile (HFP) Headset Profile (HSP) Object Push Profile (OPP) Phonebook Access Profile (PBAP) Serial Port Profile (SPP) Service Discovery Application Profile (SDAP) SIM Access Profile (SAP). To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved accessories for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

Features using Bluetooth technology increase the demand on battery power and reduce the battery life.

When the wireless device is in the remote SIM mode, you can only use a compatible connected accessory, such as a car kit, to make or receive calls.

Your wireless device will not make any calls, except to the emergency numbers programmed into your device, while in this mode.

To make calls, you must first leave the remote SIM mode. If the device has been locked, enter the lock code to unlock it first.

**Open a Bluetooth connection**

1   Select **Menu** > **Settings** > **Connectivity** > **Bluetooth**.
2   Select **My phone's name**, and enter a name for your device.
3   To activate Bluetooth connectivity, select **Bluetooth** > **On**.  indicates that Bluetooth connectivity is active.
4   To connect your device to an audio accessory, select **Conn. to audio acc.** and the accessory.
5   To pair your device with any Bluetooth device in range, select **Paired devices** > **Add new device**.

6 Scroll to a found device, and select **Add**.
7 Enter a passcode (up to 16 characters) on your device, and allow the connection on the other Bluetooth device.

Operating the device in hidden mode is a safer way to avoid malicious software. Do not accept Bluetooth connectivity from sources you do not trust. Alternatively, switch off the Bluetooth function. This does not affect other functions of the device.

**Connect your PC to the internet**
You can use Bluetooth technology to connect your compatible PC to the internet. Your device must be able to connect to the internet (network service), and your PC must support Bluetooth technology. After connecting to the network access point (NAP) service of the device and pairing with your PC, your device automatically opens a packet data connection to the internet.

**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 establish the packet data connection when an application needs it. The connection is closed when the application is terminated.

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

You can use your phone as a modem by connecting it to a compatible PC using Bluetooth technology. For details, see the Nokia PC Suite documentation.

**Call and phone**

Select **Menu** > **Settings** > **Call**.

**Divert incoming calls**
Select **Call divert** (network service). For details, contact your service provider.

**Automatically redial ten times after an unsuccessful attempt**
Select **Automatic redial** > **On**.

**Get a notification of incoming calls while you are in a call**
Select **Call waiting** > **Activate** (network service).

**Display or hide your number to the person you are calling**
Select **Send my caller ID** (network service).

**Answer or end a call by opening or closing the slide**
Select **Slide call handling**.

Select **Menu** > **Settings** > **Phone**.

**Set the display language**
Select **Language settings** > **Phone language**.

**Accessories**

This menu and its various options are shown only if
the phone is or has been connected to a compatible
mobile accessory.

Select **Menu** > **Settings** > **Accessories**. Select an
accessory, and an option depending on the
accessory.

**Configuration**

You can configure your device with settings that are
required for certain services. Your service provider
may also send you these settings.

Select **Menu** > **Settings** > **Configuration**.

Select from the following:

**Default config. sett.** — View the service providers
saved in the device, and set a default service
provider.

**Act. def. in all apps.** — Activate the default
configuration settings for supported applications.

**Preferred access pt.** — View the saved access
points.

**Personal settings** — Add new personal accounts
for various services, and activate or delete them. To
add a new personal account, select **Add** or
**Options** > **Add new**. Select the service type, and
enter the required information. To activate a
personal account, scroll to the account, and select
**Options** > **Activate**.

### Restore factory settings

To restore the phone back to factory settings, select
**Menu** > **Settings** > **Rest. fact. sett.** and from the
following:

**Settings only** — Reset all preference settings
without deleting any personal data.

**All** — Reset all preference settings and delete all
personal data, such as contacts, messages, media
files, and activation keys.

## Gallery

In Gallery, you can manage images, video clips, and
music files.

**View the Gallery contents**
Select **Menu** > **Gallery**.

# Applications

### Alarm clock

You can set an alarm to sound at a desired time.

**Set the alarm**
1 Select **Menu** > **Applications** > **Alarm clock**.
2 Set the alarm, and enter the alarm time.
3 To issue an alarm on selected days of the week,
  select **Repeat:** > **On** and the days.
4 Select the alarm tone. If you select the radio as
  the alarm tone, connect the headset to the
  device.
5 Set the length of the snooze time-out period,
  and select **Save**.

**Stop the alarm**
Select **Stop**. If you let the alarm sound for a minute
or select **Snooze**, the alarm stops for the length of
the snooze time-out period, then resumes.

### Calendar and to-do list

Select **Menu** > **Calendar**. The current day is framed. If there are any notes set for the day, the day is in bold.

**Add a calendar note**

Scroll to the date, and select **Options** > **Make a note**.

**View the details of a note**

Scroll to a note, and select **View**.

**Delete all notes from the calendar**

Select **Options** > **Delete notes** > **All notes**.

To use the lunar calendar, the device language must be Chinese.

**View the lunar details of a day in the month view**

Scroll to a date, and select **Options** > **Lunar calendar**.

**Search for a lunar festival**

In the lunar day view, select **Lun. fest.**.

To search for a solar item, or to convert between Gregorian and lunar dates, in the lunar day view, select **Options**.

Certain dates are shown in the calendar using different colours, for example, red. This does not necessarily indicate that the date is a public holiday in Hong Kong.

**View the to-do list**
Select **Menu** > **Applications** > **To-do list**.

The to-do list is displayed and sorted by priority. To add, delete, or send a note, to mark the note as done, or to sort the to-do list by deadline, select **Options**.

**Extras**

Your device may include some games and Java™ applications specially designed for your device.

Select **Menu** > **Applications** > **Extras**.

**Open a game or application**
Select **Games**, **Collection**, or **Memory card**, and a
game or an application.

**View the amount of memory available for game
and application installations**
Select **Options** > **Memory status**.

**Download a game or application**
Select **Options** > **Downloads** > **Game
downloads** or **App. downloads**.

Your device supports J2ME™ Java applications.
Ensure that the application is compatible with your
device before downloading it.

**Important:** Only install and use applications and
other software from trusted sources, such as
applications that are Symbian Signed or have passed
the Java Verified™ testing.

The downloaded applications may be saved in
Gallery instead of Applications.

**Camera and video**

Your device supports an image capture resolution of
2048x1536 pixels.

**Camera mode**

**Open the camera**

In the home screen, press and hold the capture key.

**Zoom in or out**

Scroll up or down.

**Capture an image**

Press the capture key.

**Set the preview mode and time**

Select **Options** > **Settings** > **Photo preview
time**.

To activate the self-timer, select **Options** and the
desired option.

### Video mode

**Open the video camera**
Press and hold the capture key, and scroll right.

**Start recording a video clip**
Press the capture key.

**Switch between camera and video mode**
In camera or video mode, scroll left or right.

### FM radio

The FM radio depends on an antenna other than the wireless device antenna. A compatible headset or accessory needs to be attached to the device for the FM radio to function properly.

**Warning:**
Continuous exposure to high volume may damage your hearing. Listen to music at a moderate level, and do not hold the device near your ear when the loudspeaker is in use.

Select **Menu** > **Applications** > **Radio**.

**Search for a neighbouring station**
Press and hold the scroll key to the left or right.

**Save a station**
Tune to the desired station, and select **Options** >
**Save station**.

**Switch between saved stations**
Scroll left or right to switch between stations, or
press the corresponding number key of the memory
location of a desired station.

**Adjust the volume**
Scroll up or down.

**Leave the radio playing in the background**
Press the end key.

**Close the radio**
Press and hold the end key.

**Voice recorder**

Select **Menu** > **Applications** > **Voice recorder**.

**Start recording**

Select the record icon.

**Start recording during a call**

Select **Options** > **More** > **Record**. When recording a call, hold the phone in the normal position near to your ear. The recording is saved in the Recordings folder in Gallery.

**Listen to the latest recording**

Select **Options** > **Play last recorded**.

**Send the last recording in a multimedia message**

Select **Options** > **Send last recorded**.

**Media player**

Your device includes a media player for listening to songs or other MP3 or AAC sound files.

**Warning:**
Continuous exposure to high volume may damage
your hearing. Listen to music at a moderate level,
and do not hold the device near your ear when the
loudspeaker is in use.

Select **Menu** > **Applications** > **Media player**.

**Start or pause playing**
Press the scroll key.

**Skip to the beginning of the current song**
Scroll left.

**Skip to the previous song**
Scroll left twice.

**Skip to the next song**
Scroll right.

**Rewind the current song**
Press and hold the scroll key to the left.

**Fast-forward the current song**
Press and hold the scroll key to the right.

**Adjust the volume**
Scroll up or down.

**Mute or unmute the media player**
Press #.

**Leave the media player playing in the background**
Press the end key.

**Close the media player**
Press and hold the end key.

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**Maps**

With Maps, you can browse maps for different cities
and countries, search for addresses and different
points of interest, plan routes from one location to
another, see your current location on the map if you
have a GPS connection, and save locations and send
them to compatible devices. You can also purchase
a licence for a navigation service with voice

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guidance. This service is not available for all
countries or regions.

**About Maps**

If there are maps available in your device or on an
inserted memory card, you can browse them
without an internet connection. When you browse
to an area which is not covered by the maps already
downloaded in your device, a map for the area is
automatically downloaded through the internet.
You may be prompted to select an access point to
use with the internet connection.

Downloading maps may involve the transmission of
large amounts of data through your service
provider's network. Contact your service provider
for information about data transmission charges.

You can also use the Nokia Map Loader PC software
to download maps to your device. To install Nokia
Map Loader on a compatible PC, see
www.nokia.com.hk/maps.

Select **Menu** > **Applications** > **Maps** and from the
following:
**Last map** — Open the map that was displayed last.

**Find address** — Search for a specific address.

**Saved locations** — Find a location you have saved on your device.

**Rec. locations** — View the locations you have browsed.

**Current position** — View your current location, if a GPS connection is available.

**Plan route** — Plan a route.

**Extra services** — Purchase a license for navigation.

**Settings** — Define the settings.

Almost all digital cartography is inaccurate and incomplete to some extent. Never rely solely on the cartography that you download for use in this device.

### Nokia Map Loader

With the Nokia Map Loader application for PC, you can download maps and voice guidance files from the internet. A memory card with sufficient space must be inserted in your device. You must use the Maps application and browse maps at least once before using Nokia Map Loader, as Nokia Map Loader

uses the Maps history information to check which version of the maps to download.

To install Nokia Map loader, visit www.nokia.com. hk/maps, and follow the instructions.

**Download maps with Nokia Map Loader**
1  Connect your device to the computer with a compatible USB data cable or Bluetooth connection. If you use a data cable, select PC Suite as the USB connection method.
2  Open Nokia Map Loader on the computer.
3  Select a continent and a country or region.
4  Select the maps or services, and download and install them to your device.

On the Service tab of Nokia Map Loader, you can purchase navigation and traffic information licences, travel guides, and download maps.

**About GPS**
**GPS receiver**

Your device does not have an internal GPS receiver. To use applications that require a GPS connection,

use a compatible external GPS receiver (accessory
sold separately).

**Use an external GPS receiver**
1  Fully charge your compatible GPS receiver, and
   switch it on.
2  Set up a Bluetooth connection between your
   device and the GPS receiver.
3  Place the GPS receiver in a position with an
   unobstructed view to the sky.
4  Open the Maps application, and select the
   external GPS receiver.

After pairing your device with an external GPS
receiver, it may take several minutes for the device
to display the current location.

You can use GPS to support the Maps application.
Find out your location or measure distances.

You can also use Maps without a GPS receiver to
browse maps, search for addresses and locations,
and plan routes.

### Navigate to your destination



You can upgrade Maps to a full navigation system to be used by car and by foot. You need a regional licence for the full navigation system, and a compatible GPS receiver. The car navigation is fully voice-guided with two and three-dimensional map views. Pedestrian navigation is limited to a speed of 30 km/h (18.6 miles/h) and provides no voice guidance. The navigation service is not available for all countries and regions. For details, see your local Nokia website.

### Purchase a licence for navigation

Select **Extra services**. The licence is region-specific and can be used only in the selected area.

**Navigate to the destination**

1  Select **Plan route**, and create a route.
2  Select **Options** > **Show route** > **Options** >
   **Start navigation**.
3  Accept the displayed disclaimer.
4  Select the language for voice guidance, if
   prompted.

If you deviate from the set route, the device
automatically plans a new route.

**Repeat the voice guidance**
Select **Repeat**.

**Silence the voice guidance**
Select **Options** > **Mute audio**.

**Stop navigating**
Select **Stop**.

**Navigate on foot**
Select **Settings** > **Routing settings** > **Route
selection** > **On foot**. This optimises the routes you
create for navigation on foot.

**Dictionary**

In Dictionary, you can look up a Chinese word for English translation, and look up an English word for Chinese translation.

1  Select **Menu** > **Applications** > **Dictionary**.
2  Switch to the desired input mode if necessary.
3  Enter the Chinese or English word.
4  Scroll to the desired word in the displayed list of words, and select it to view the translation.

   To look up synonyms or antonyms of an English word, select **Options** > **Synonyms** or **Options** > **Antonyms**.

   To view the translation of the previous or next word in the displayed list of words, scroll left or right.

## Web or Internet

You can access various internet services with your phone browser. The appearance of the web pages may vary due to screen size. You may not be able to see all the details on the web pages.

Depending on your phone, the web browsing function may be displayed as Web or Internet in the menu, hereafter referred to as Web.

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

The XHTML browser in this device supports the Unicode encoding format.

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

You may receive the configuration settings required for browsing as a configuration message from your service provider.

**Connect to a web service**

Select **Menu** > **Internet** > **Home**. Or, in the standby mode, press and hold **0**.

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.

## SIM services

Your SIM card may provide additional services. You can access this menu only if it is supported by your SIM card. The name and contents of the menu depend on the available services.

## Nokia original accessories

**Warning:**
Use only batteries, chargers, and accessories 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. In particular, use of unapproved chargers or batteries may present a risk of fire, explosion, leakage, or other hazard.

For availability of approved accessories, check with your dealer.

An extensive range of accessories is available for your device. For more details, see www.nokia.com.hk.

## Practical rules about accessories

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

## Battery

Type: BL-4CT

Talk time:

Up to 3 hours (WCDMA)

Standby time:

Up to 270 hours (WCDMA)

**Important:** Battery talk and stand-by times are estimates and only possible under optimal network conditions. Actual battery talk and standby times depend on SIM cards, features used, battery age and condition, temperatures to which battery is exposed, network conditions, and many other factors, and may be significantly shorter than those specified above. Ringing tones, hands free call handling, use in digital mode, and other features will also consume the battery, and the amount of time a device is used for calls will affect its stand-by time. Likewise, the amount of time that the device is turned on and in the standby mode will affect its talk time.

# Green tips

**we:**

Here are tips on how you can contribute to
protecting the environment.

## Save energy

When you have fully charged the battery and
disconnected the charger from the device, unplug
the charger from the wall outlet.

You do not need to charge your battery so often if
you do the following:

- Close and disable applications, services, and
  connections when not in use.
- Decrease the brightness of the screen.
- Set the device to enter the power saver mode
  after the minimum period of inactivity, if
  available in your device.

• Disable unnecessary sounds, such as keypad and ringing tones.

**Recycle**

Most of the materials in a Nokia phone are recyclable. Check how to recycle your Nokia products at www.nokia.com/werecycle, or with a mobile device, www.nokia.mobi/werecycle.

Recycle packaging and user guides at your local recycling scheme.

**Learn more**

For more information on the environmental attributes of your device, see www.nokia.com/ecodeclaration.

**Battery**
**Battery and charger information**
Your device is powered by a rechargeable battery. The battery intended for use with this device is BL-4CT. Nokia may make additional battery models available for this device. This device is intended for use when supplied with power from the following chargers: AC-3. The exact charger model number may vary depending on the type of plug. The plug variant is identified by one of the following: E, EB, X, AR, U, A, C, K, or UB. For example, the model numbers for the charger can be, among others, AC-3C, AC-3U etc.

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.

If a 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, then disconnect and reconnect it to begin charging the battery. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

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

Proper charging. Unplug the charger from the electrical plug and the device when not in use. Do not leave a 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.

Avoid extreme temperatures. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). Extreme temperatures reduce the capacity and lifetime of the battery. A device with a hot or cold battery may not work temporarily. Battery performance

is particularly limited in temperatures well below freezing.

Do not short-circuit. 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.

Disposal. Do not dispose of batteries in a fire as they may explode. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Leak. Do not dismantle, cut, open, crush, bend, puncture, or shred cells or batteries. In the event of a battery leak, prevent battery liquid contact with skin or eyes. If this happens, flush the affected areas immediately with water, or seek medical help.

Damage. Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids. Batteries may explode if damaged.

Correct use. Use the battery only for its intended purpose. Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service centre for inspection before continuing to use it. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

**Nokia battery authentication guidelines**

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from a Nokia authorised service centre or dealer, and inspect the hologram label using the following steps:

**Authenticate hologram**

1   When you look 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.

Successful completion of the steps is not a total assurance of the authenticity of the battery. If you cannot confirm authenticity or if you have any reason to believe that your Nokia battery with the hologram on the label is not an authentic Nokia battery, you should refrain from using it, and take it to the nearest Nokia authorised service centre or dealer for assistance.

To find out more about original Nokia batteries, see www.nokia.com/batterycheck.

**Taking care of your device**

Your device is a product of superior design and craftsmanship and should be treated with care. The following suggestions 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 high or cold temperature. High temperatures can shorten the life of electronic devices, damage batteries,

and warp or melt certain plastics. When the device warms to its normal temperature from a cold 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. Only use a soft, clean, dry cloth to clean the surface of the device.

- Do not paint the device. Paint can clog the moving parts and prevent proper operation.

- Use only the supplied or an approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the device and may violate

regulations governing radio devices.

- Use chargers indoors.
- Backup all data you want to keep, such as contacts and calendar notes.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

These suggestions apply equally to your device, battery, charger, or any accessory.

**Recycle**
Always return your used electronic products, batteries, and packaging materials to dedicated collection points. This way you help prevent uncontrolled waste disposal and promote the recycling of materials. Check product environmental information and how to recycle your Nokia products at www.nokia.com/werecycle, or nokia.mobi/werecycle.

**Additional safety information**
**Note:** The surface of this device does not contain nickel in the platings. The surface of this device contains stainless steel.

**Small children**
Your device and its accessories are not toys. They may contain small parts. Keep them out of the reach of small children.

**Operating environment**
This device meets RF exposure guidelines in the normal use position at the ear or at least 1.5 centimetre (5/8 inch) away from the body. Any carry case, belt clip, or holder for body-worn operation should not contain metal and should position the device the above-stated distance from your body.

To send data files or messages requires a quality connection to the network. Data files or messages may be delayed until such a connection is available. Follow the separation distance instructions 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 radio transmitting equipment, including wireless phones, may interfere with the function of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine whether they are adequately shielded from external RF energy. Switch off your device when regulations posted instruct you to do so. Hospitals or health care facilities may use equipment sensitive to external RF energy.

**Implanted medical devices**

Manufacturers of medical devices recommend a minimum separation of 15.3 centimetres (6 inches) between a wireless device and an implanted medical device, such as a pacemaker or implanted cardioverter defibrillator, to avoid potential interference with the medical device. Persons who have such devices should:

- Always keep the wireless device more than 15.3 centimetres (6 inches) from the medical device.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device.
- Turn the wireless device off if there is any reason to suspect that interference is taking place.
- Follow the manufacturer directions for the implanted medical device.

If you have any questions about using your wireless device with an implanted medical device, consult your health care provider.

**Hearing aids**

Some digital wireless devices may interfere with some hearing aids.

**Vehicles**

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles such as electronic fuel injection, electronic antilock braking, electronic speed control, and air bag systems. For more information, check with the manufacturer of your vehicle or its equipment.

Only qualified personnel should service the device or install the device in a vehicle. Faulty installation or service may be dangerous and may invalidate your warranty. 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 accessories. Remember that air bags inflate with great force. Do not place your device or accessories in the air bag deployment area.

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 and may be illegal.

**Potentially explosive environments**

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

determine if this device can be safely used in their vicinity.

**Emergency calls**

**Important:** This device operates using radio signals, wireless networks, landline networks, and user-programmed functions. If your device supports voice calls over the internet (internet calls), activate both the internet calls and the cellular phone. The device may attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. 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. Depending on your device, you may also need to complete the following:

- Insert a SIM card if your device uses one.
- Remove certain call restrictions you have activated in your device.
- Change your profile from Offline or Flight profile to an active profile.

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.

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 organisation ICNIRP and include safety margins designed to assure the protection of all persons, regardless of age and health.

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 0.97 W/kg.

Use of device accessories 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.

**Limited Warranty**

Nokia Corporation, represented by its Mobile Phones Division ("Nokia") warrants that this Nokia cellular product and/or genuine Nokia accessory ("Product") is free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the cellular phone, data product and all genuine Nokia

accessories (except battery packs) extends for the first twelve (12) months beginning on the date of purchase of the Product.

2. The limited warranty for genuine Nokia battery packs extends for the first six (6) months beginning on the date of purchase of the Product.

3. The limited warranty extends only to the original consumer purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/ end user.

4. The limited warranty extends only to Consumers who purchase the Product in one of the countries (or areas) set forth at the end of this document. The limited warranty is only valid in Nokia's intended country (or area) of sale of the Product.

5. During the limited warranty period, Nokia or its authorised service network will repair or replace, at Nokia's option, any defective Product or parts thereof with new or factory rebuilt replacement items, and return the Product to the Consumer in working condition. No charge will be made to the Consumer for either parts or labor in repairing or replacing the Product. All replaced parts, boards or equipment shall become property of Nokia. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.

6. Repaired Product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.

7. Upon request from Nokia or its authorised service centre, the Consumer must provide purchase receipt or other information to prove the date and place of purchase.

8. Transportation, delivery and handling charges incurred in the transport of the Product to and from Nokia or its authorised service centre will be borne by the Consumer.

9. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:

   a) The Product has been subject to: abnormal use, abnormal condition, improper storage, exposure to moisture or dampness, exposure to excessive temperature or other such environmental conditions, unauthorised modifications, unauthorised connections, unauthorised repair including but not limited to use of unauthorised spare parts in repairs, misuse, neglect, abuse, accident, alteration, improper installation, Acts of God, spill of foods or liquids, maladjustment of customer controls or other acts which are beyond of reasonable control of Nokia, including deficiencies in consumable parts such as fuses and breakage or damage to antennas, unless caused directly by defects in materials or workmanship, and normal wear and tear of the Product.

   b) Nokia was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.

   c) The Product serial number or the accessory date code has been removed, defaced or altered.

d)    The defect or damage was caused by defective function of the cellular system or by inadequate signal reception by the external antenna.

e)    The Product was used with or connected to accessory not supplied by Nokia, not fit for use with Nokia cellular phones or used in other than its intended use.

f)    The battery was short circuited or seals of the battery enclosure or cells are broken or show evidence of tampering or the battery was used in equipment other that for which is has been specified.

10.    If a problem develops during the limited warranty period, the Consumer should take the following step-by-step procedure:

a)    The Consumer shall return the Product to the place of purchase for repair or replacement processing.

b)    If "a" is not convenient, the Consumer may contact the local Nokia office for the location of the nearest authorised service centre.

c)    The Consumer shall arrange for the Product to be delivered to the authorised service centre. Expenses related to removing the Product from an installation are not covered under this limited warranty.

d)    The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer shall be responsible for expenses related to

reinstallation of the Product.

e) In case of certain operator specific features in the Product such as SIM-lock, Nokia reserves the right to refer the Consumer to the relevant cellular operator before service will be provided.

f) If the Product is returned to Nokia after the expiration of the warranty period, Nokia's normal service policies shall apply and the Consumer will be charged accordingly.

11. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY. OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OR IMPAIRMENT OF PRIVACY OF CONVERSATIONS, WORK STOPPAGE OR LOSS OR IMPAIRMENT OF DATA ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT.

12. The benefits conferred by this limited warranty are in addition to all other rights and remedies under any applicable mandatory legislation as may be in force from country (area) to country (area).

13. Nokia neither assumes nor authorises any authorised service centre or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.

14. All warranty information, product features and specifications are subject to change without notice.

15. The countries (or areas) in which this limited warranty is in force, subject to clause 4 above, are Hong Kong SAR and Macau SAR.

**Terms of use, OVI SERVICE TERMS and privacy policy**
**Terms of Use**
Thank you for choosing Nokia. By starting to use your device you begin your exciting journey with us.

**First use of your device**
To access the wide range of Nokia's Ovi services a Nokia Account will be automatically created for you when you first use your device. You then only need to add personal user information when accessing the services for the first time, after which you can manage your Nokia Account online.

To help you to get the most out of your device and services, you will start receiving free personalized text messages from My Nokia with tips, tricks and support. You may unsubscribe from these My Nokia messages at any time by following the information on the welcome message you receive shortly after activating your device, or by clicking the My Nokia icon in your device and selecting Unsubscribe.

Upon first use of your device and after you have updated the Nokia device software an activation text message will be sent to Nokia.

**Software updates**
If you update your Nokia device software the information described above in this notice still applies.

To ensure you have the latest Nokia device software and applications, your device checks the availability of software updates from Nokia. If any are available you will be prompted to approve their installation. You may disable automatic checking for updates through settings in your device. You may also install software through available software update channels.

**Other important information**

By starting to use the device or when you update the Nokia device software you accept the Ovi Service Terms and Privacy Policy ("Terms") included in the sales box or as otherwise made available to you.

To provide you with the services described above your mobile number, device serial number and mobile subscription identifiers will be sent to Nokia upon first use of the device. Some or all of the above information may also be sent to Nokia in connection with software updates. This information may be used as further specified in the Privacy Policy.

This notice is not applicable and the welcome screen will not appear at first device use, if the service is not available in your country, software version or selected device language.

Normal charges for text messages and transmission of data will apply.

**OVI SERVICE TERMS**
**1. Acceptance**

These Ovi Service Terms together with the Privacy Policy (collectively "Terms") govern your use of the application or website where you accessed these Ovi Service Terms and use of the related services (collectively "Service") and the Terms constitute an agreement between you and Nokia Corporation defining the rights and responsibilities of you and Nokia Corporation including its affiliates and suppliers (collectively "Nokia") with respect to the Service. There may be additional conditions applicable to certain parts of the Service. You are not allowed to use the Service if you do not agree to the Terms.

**2. Eligibility**

To use the Service, you must be at least thirteen (13) years of age. If you are at least thirteen (13) years of age but a minor where you live, you must review the Terms and have your parent or legal guardian complete the registration on your behalf for you to use the Service. The person completing the

registration must be legally competent.

## 3. Registration and Termination

You agree to provide truthful and complete information when registering for the Service and to keep that information updated. Providing misleading information about your identity is forbidden.

When you register, you will create a username and a password. You (and your parent or legal guardian, if you are a minor) are personally responsible for any use of the Service with your username and password. You agree to take due care in protecting your username and password against misuse by others and promptly notify Nokia about any misuse.

You may terminate your registration if you no longer wish to use the Service. After termination, you will no longer have access to the Service. Nokia may terminate your registration or restrict your access to certain parts of the Service if there is an indication that you have breached the Terms or with a prior notice if you have not signed into the Service with your username in the past six (6) months. Except as set forth in Privacy Policy, Nokia shall not be responsible for any removal of the information or content you have submitted ("Material") from the Service when your registration is terminated.

After the Material is removed from the Service by either you or Nokia, some traces of the Material may remain and copies of the Material may still reside within the Service.

## 4. Using the Service

You agree to:

- Use the Service only for your private, non-commercial purposes;
- Comply with applicable laws, the Terms and good manners;

- Not submit unlawful, offensive, abusive, pornographic, harassing, libelous or other inappropriate Material;

- Respect the privacy of others;

- Obtain any consents, permission or licenses that may be required for you to have the legal right to submit any Material; and

- Not distribute or post spam, unreasonably large files, chain letters, pyramid schemes, viruses or any other technologies that may harm the Service, or the interest or property of the Service users.

Nokia may but has no obligation to:

- Monitor or moderate any of the Material; and

- Remove any Material from the Service and restrict access to any part of the Service at any time in its sole discretion.

**5. Allegations of Copyright Infringement**

You may notify Nokia of copyright infringement on the Service by providing notice (a) by email with "Copyright Notification" in the subject line to copyright. notices@nokia.com, (b) by a document titled "Copyright Notification" mailed to Nokia, Attn: Copyright Agent, 102 Corporate Park Drive, White Plains, NY 10604, or (c) via the online form, if available. Your notice must:

(1) Identify the original copyrighted work you claim is infringed;

(2) Identify the content on the Service that you claim is infringing the copyrighted work. Please provide enough detail for Nokia to locate the allegedly infringing content on the Service;

(3) Provide your contact information, including your full name, mailing address, telephone number, and email address, if available;

(4) Provide a statement that you have a good faith belief that the use

of the content in the manner complained of is not authorized by the copyright owner, its agent, or the law;

(5) Provide this statement: "I swear, under penalty of perjury, that the information in this notification and complaint is accurate and that I am the copyright owner, or am authorized to act on behalf of the copyright owner of an exclusive right that is infringed."; and

(6) Provide your signature.

**6. Licenses**

Nokia does not claim ownership in your Material. Your submission of Material to the Service does not transfer ownership rights in the Material to Nokia. However, by submitting Material to the Service you grant Nokia a worldwide nonexclusive, assignable, fully paid, royalty-free, perpetual and irrevocable license to use, copy, publicly perform, display, distribute and modify the Material, and to prepare derivative works

thereof, or incorporate the Material into other works as well as sublicense the same.

Users of the Service are granted a non-exclusive, non-transferable, revocable license (revocable at the sole discretion of Nokia at any time) to access and use the Service strictly in accordance with the Terms. Any further intellectual property rights in any information or content in the Service are not granted.

**7. Fees**

Your use of the Service may be or may become subject to charges. Any fees charged by Nokia will be announced separately in connection with the Service.

Use of the Service may involve transmission of data through your service provider's network. Your network service provider may charge for such data transmission.

Nokia assumes no responsibility for the payment of any charges.

**8. Availability**

The Service may not be available in some countries and may be provided only in selected languages. The Service may be network dependent, contact your network service provider for more information.

Nokia reserves the right, in its sole discretion, to change, improve and correct the Service. The Service may not be available during maintenance breaks and other times.

Nokia may also decide to discontinue the Service or any part thereof in its sole discretion. In such case you will be provided a prior notification.

**9. Dealings with Others**

You may interact with other users on or through the Service. You agree that any such interactions do not involve Nokia and are solely between you and the other user(s).

**10. Personal Data**

The Privacy Policy and additional provisions in these Ovi Service Terms govern use of your personal data.

**11. Limitation of Liability**

The Service is provided on "AS IS" and "AS AVAILABLE" basis. Nokia does not warrant that the Service will be uninterrupted or error or virus-free. No warranty of any kind, either express or implied, including but not limited to warranties of title or non-infringement or implied warranties of merchantability or fitness for a particular purpose, is made in relation to the availability, accuracy, reliability, information or content of the Service. You expressly agree and acknowledge that the use of the Service is at your

sole risk and that you may be exposed to content from various sources.

Except for liability for death or personal injury caused by gross negligence or intentional misconduct, Nokia shall not be liable for any direct, indirect, incidental, punitive or consequential damages caused by the use or inability to use the Service.

## 12. Indemnification

You agree to defend, indemnify and hold harmless Nokia from and against any and all third party claims and all liabilities, assessments, losses, costs or damages resulting from or arising out of i) your breach of the Terms, ii) your infringement or violation of any intellectual property, other rights or privacy of a third party, iii) misuse of the Service by a third party where such misuse was made available by your failure to take reasonable measures to protect your username and password against misuse.

## 13. Miscellaneous

13.1 Choice of Law and Arbitration

Except where prohibited by applicable law or provided otherwise herein, the Terms shall be governed by the laws of Finland without regard to its conflict of law provisions.

If you are a US resident the following paragraph shall apply: The Terms shall be governed by the laws of New York without regard to its conflicts of law provisions. Any dispute relating to these Terms or the Service shall be submitted to binding arbitration in Westchester County, New York within eighteen (18) months of the date the facts giving rise to the suit were known, or should have been known, by the complainant, except that Nokia may seek injunctive or other relief if you have violated or threatened to violate any intellectual property rights. All matters relating to arbitration shall be governed by the Federal Arbitration Act (9 U.S.C.

§1 et. seq.). Arbitration shall be conducted by a single arbitrator under the then prevailing Wireless Arbitration Rules of the American Arbitration Association ("AAA"), Each party must submit any claim which would constitute a compulsory counterclaim in litigation or such claim shall be barred. No award of exemplary, special, consequential or punitive damages shall be permitted. The losing party, as determined by the arbitrator, shall pay the arbitration fees. The arbitrator's award shall be binding and may be entered as a judgment and enforceable in any court of competent jurisdiction. Arbitration shall be conducted on an individual, not class-wide basis, and no arbitration shall be joined with an arbitration involving any other person or entity.

13.2 Validity

The Terms shall neither exclude nor limit any of your mandatory rights in your country of residence. If a provision of the Terms is found to be invalid, the validity of the remaining provisions shall not be affected and the invalid provision shall be replaced with a valid provision that comes closest to the result and purpose of the Terms. If there is any conflict between these Ovi Service Terms and the Privacy Policy, the provisions of these Ovi Service Terms shall prevail. The provisions of the Terms that are intended to survive termination shall remain valid after any termination.

13.3 Changes in Terms

Nokia reserves the right to modify the Terms at any time without prior notice. If the Terms are changed in a material, adverse way, Nokia will provide a separate prior notice advising of such change.

You are responsible for regularly reviewing the Terms. Your continued use of the Service shall constitute your consent to any changes and modifications.

13.4 Links to Third Party Sites and Content

For your easy accessibility Nokia may include links to sites on the Internet that are owned or operated by third parties and that are not part of the Service. Upon following a link to such a third-party site, you shall review and agree to that site's rules of use before using such site.

You agree that Nokia has no control over the content of third-party sites and cannot assume any responsibility for services provided or material created or published by such sites. A link to a third-party site does not imply that Nokia endorses the site or the products or services referenced in the site.

In addition, users may create links within the Service to content that has not otherwise been submitted to the Service. You agree that Nokia is neither responsible for nor liable for any such links.

### 14. Intellectual Property

The Service and related software are protected under international copyright laws and you are hereby notified that copyrights are claimed by Nokia. Subject to the Terms, Nokia retains all right, title and interest in the Service and in all Nokia's products, software and other properties provided to you or used by you through the Service.

### WE CARE ABOUT YOUR PRIVACY

Nokia is committed to protecting your privacy and to comply with applicable data protection and privacy laws. We hope that this Privacy Policy ("Policy") helps you understand what kind of information we collect in connection with our products and services and how we process such information. Throughout this Policy the term "personal data" means information relating to an identified or identifiable individual (i.e. a natural person). "Nokia" refers to Nokia Corporation, including its affiliates (also referred to as "we", "us", or "our").

This Policy applies to personal data collected in connection with products and services offered by Nokia or from other interactions with us where a link or other

reference of incorporation to this Policy is made, for example, in connection with our devices and accessories, websites (also including mobile websites), games, music and other types of services offered by Nokia typically in electronic form, as well as other services such as customer care and warranty services or promotions and campaigns.

We may provide additional or amending privacy information in connection with a particular Nokia product or service. Such information prevails over this Policy to the extent of any conflict. Our products or services may contain links to other companies' websites and other third party services that have privacy policies of their own. We recommend that you read the privacy policies of such services. Nokia is not responsible for the privacy practices or contents of any such services.

**By using this website and/or by submitting personal data to Nokia, you express your agreement to the processing of your personal data in the manner provided in this Policy. If you do not agree with this Policy, please do not use this website or provide Nokia with your personal data.**

**The Data We Collect**

We collect your personal data typically when you make a purchase, use or register into our services, enter into a sales promotion or a campaign or otherwise interact with us. We endeavour to collect personal data only with your knowledge or consent. Below are examples of the categories of data collected.

- **Technical Information**  For the most part, you may visit our websites or use our products or services without having to tell us who you are. However, certain technical information is normally collected as a standard part of your use of our services. Such information includes, for example, your IP-address,

access times, the website you linked from, pages you visit, the links you use, the adbanners and other content you viewed, information about your devices and other such technical information your browser provides us with or as may be otherwise collected in connection with certain products and services. When you use our services or otherwise interact with us over telecommunications networks, certain additional information, such as your mobile telephone number, may be transmitted to us by the telecommunications operator as a standard part of that communication. Please also see the section "Use of Cookies and Web Beacons" below.

- **Information you provide us with** When you register for our services, make a purchase, enter a sales promotion or otherwise interact with us, we may ask you to provide us with

information such as your name, email address, street address, as well as user names, passwords and other such credentials that are used to authenticate users and to validate their actions or that may be needed to provide you with the products and services you have requested or to communicate with you.

We may collect demographic information, for example, your age, gender, postal code and language preferences. We may also collect other information you provide, such as your consents, preferences and feedback, information relating to your devices and other such information you provide us with. Please note that certain non-identifiable information collected from you may become personally identifiable when you provide us with your personal data. We may also obtain, in accordance with

applicable law, some personal data from list-rental companies and other such publicly available sources. Some of our services may allow you to submit information about other people, for example, if you make an order for a product that you wish us to send directly to another recipient.

- **Your transactions with us** We collect or ask for information relating to your purchase and/or use of our products and/or services and your other interactions with us. Such information may include, for example, details of the queries or requests you have made, the products and services provided (including delivery details), financial details (including payments made, credit card details, billing address, credit checks and other such financial information), details of agreements between you and Nokia, records of contacts and communications,

information and details relating to the content you have provided us with and other such transactional information. We may, in accordance with applicable law, record your communication with our customer care or with other such contact points. Certain services may involve the use of your location data. However, use of your location data for such services is subject to your consent.

**The Purposes for which We Process Your Personal Data**

Nokia processes your personal data for the purposes described in this Policy and/ or any additional service specific privacy information. Please note that one or more purposes may apply simultaneously.

- **Provision of products and services** We may use your personal data to fulfill your requests, process your order

or as otherwise may be necessary to perform or enforce the contract between you and Nokia, to ensure the functionality and security of our products and services, to identify you and to prevent and investigate fraud and other misuses.

- **Development of products and services** We may use your personal data to develop our products and/or services. However, for the most part we only use aggregate and statistical information in the development of our products and services. We may also use your personal data to personalize our offering and to provide you with service more relevant to you, for example, to make recommendations and to display customized content and advertising in our websites. We may combine personal data collected in connection with your use of a particular Nokia product and/or service with other personal data we may hold about you, except where such personal data was collected for a different purpose. We may create aggregate and statistical information based on your personal data.

- **Communicating with you and marketing** We may use your personal data to communicate with you, for example, to provide information relating to our products and/or services you are using or to contact you for customer satisfaction queries. We may use your personal data for marketing or research purposes, for example, to conduct market research and we may, in accordance with applicable law, contact you to inform you of new products, services or promotions we may offer. Also, some of our products and services may be used to promote products and services of other companies. However, Nokia does not disclose your personal data

to such companies or any other company for marketing purposes without your prior consent.

**Sharing Your Personal Data**

Generally, we do not sell, lease, rent or otherwise disclose your personal data to third parties unless otherwise stated below.

- **Consent** We may share your personal data if we have your consent to do so. Some services may include sharing your personal data with other users of the service, for example services where users publish their own content or Nokia user communities.

- **Nokia companies and authorized third parties**We may share your personal data with other Nokia companies or authorized third parties who process personal data for Nokia for the purposes described in this Policy. Such parties are not permitted to use your personal data for other purposes, and we require them to act consistently with this Policy and to use appropriate security measures to protect your personal data.

- **International transfers** Our products and services may be provided using resources and servers located in various countries around the world. Therefore your personal data may be transferred across international borders outside the country where you use our services, including to countries outside the European Economic Area (EEA) that do not have laws providing specific protection for personal data or that have different legal rules on data protection, for example, the United States of America. In such cases we take steps to ensure that there is a legal basis for such a transfer and that adequate protection for your personal data is provided as required by applicable law, for example,

by using standard agreements approved by relevant authorities (where necessary) and by requiring the use of other appropriate technical and organizational information security measures.

- **Mandatory disclosures** We may be obligated by mandatory law to disclose your personal data to certain authorities or other third parties, for example, to law enforcement agencies in the countries where we or third parties acting on our behalf operate. We may also disclose and otherwise process your personal data in accordance with applicable law to defend Nokia's legitimate interests, for example, in civil or criminal legal proceedings.

- **Mergers and Acquisitions** If we decide to sell, buy, merge or otherwise reorganise our businesses in certain countries, this may involve us disclosing personal data to prospective or actual purchasers and their advisers, or receiving personal data from sellers and their advisers.

**Collecting the Data of Minors**

Nokia does not seek to collect any information from or engage in any transactions with persons under the age of 13. Our databases may nevertheless contain personal data of children under 13 due to the fact that it is not always possible to determine precisely the age of the user. Insofar as we ask you to provide your age, we block the service from any person who is under 13 years of age. We will also make reasonable efforts to clear our databases of personal data relating to under age users.

Nokia's policy is to request that minors (the legal age of majority and therefore the age of minors is determined by local law where you reside) do not make purchases or engage in other legal acts on our products and services without the consent of a parent or legal

guardian, unless otherwise permitted by applicable law.

**Data Quality**

We take reasonable steps to keep the personal data we possess accurate and upto- date and to delete out of date or otherwise incorrect or unnecessary personal data.

As certain Nokia products and services may allow you to manage your profile, we encourage you to access your personal data from time to time to ensure that it is correct and up-to-date. Please remember that it is your responsibility to provide us with correct details as well as to update the personal data you have provided us with in case of any changes.

**Security**

While there are always risks associated with providing personal data, whether in person, by phone, via the internet or otherwise, and no technology is completely safe or "tamper" or "hacker" proof, Nokia takes appropriate technical and organizational information security measures to prevent and minimize such risks.

Such measures include, where appropriate, the use of firewalls, secure server facilities, encryption, implementing proper access rights management systems and processes, careful selection of processors and other technically and commercially reasonable measures to provide appropriate protection for your personal data against unauthorized use or disclosure. Where appropriate, we may also take back-up copies and use other such means to prevent accidental damage or destruction to your personal data. If a particular part of a Nokia website supports on-line transactions, we will use an industry standard security measure, such as the one available through "Secure Sockets Layer" ("SSL"), to protect the confidentiality and security of online transactions.

**Use of Cookies and Web Beacons**

From time to time when you visit a Nokia website, information may be placed on your computer to allow us to recognize your computer. This information is commonly in the form of a textfile known as a "cookie". Cookies are small pieces of data stored on your computer's hard drive, rather than on the website. Typically, they enable collection of certain information about your computer, including your internet protocol (IP) address, your computer's operating system, your browser type and the address of any referring sites. Our use of cookies is intended to provide benefits to you, such as eliminating the need for you to enter your password frequently during a session or the need to re-enter items you place in a shopping cart if you do not finish a transaction in a single visit. Cookies are also used for website traffic analysis and anonymous demographic profiling so that we may improve our services.

Nokia may use so called web beacons (or "pixel tags") in connection with some websites.

However, we do not use them to identify individual users personally. Web beacons are typically graphic images that are placed on a website and they are used to count visitors to a website and/or to access certain cookies. This information is used to improve our services. Web beacons do not typically collect any other information than what your browser provides us with as a standard part of any internet communication. If you turn off cookies, the web beacon will no longer be able to track your specific activity. The web beacon may, however, continue to collect information of visits from your IP-address, but such information will no longer be unique.

If you do not wish to receive cookies, or want to be notified before they are placed, you may set your web browser to do so, if your browser so permits. Please understand that if cookies are turned off, you may not be able to view certain parts of this site that may enhance your visit. Some of our business partners whose

content is linked to or from this site may also use cookies or web beacons. However, we have no access to or control over these cookies.

**Your Rights**

In case you wish to know what personal data we hold about you or you wish to replenish, rectify, anonymize or delete any incomplete, incorrect or outdated personal data, or you wish us to cease processing your personal data for the purpose of sending promotional materials or direct marketing or for the performance of market research or on other compelling legal grounds, you may, as appropriate and in accordance with applicable law, exercise such rights by contacting us through the contact points referred to below. In some cases, especially if you wish us to delete or cease the processing of your personal data, this may also mean that we may not be able to continue to provide the services to you. We encourage you to use available profile management tools for the above purposes as such tools often provide you with direct access to your personal data and allow you to effectively manage it.

Please note that Nokia may need to identify you and to ask for additional information in order to be able to fulfill your above request. Please also note that applicable law may contain restrictions and other provisions that relate to your above rights.

**The Controller of Your Personal Data and Contact Details**

Nokia Corporation of Keilalahdentie 4, 02150 Espoo, Finland shall be the controller of your personal data.

In addition, the Nokia affiliate providing the product or service may be a controller of your personal data. You may find the identity of the controller and its contact details by reviewing the terms and conditions of such a product or service or by using contact information provided in the applicable Nokia websites. In

matters pertaining to Nokia's privacy practices you may also contact us at:

Nokia Corporation

c/o Privacy

Keilalahdentie 4

02150 Espoo

Finland

**Changes to This Privacy Policy**

Nokia may from time to time change this Privacy Policy or change, modify or withdraw access to this site at any time with or without notice. However, if this Privacy Policy is changed in a material, adverse way, Nokia will post a notice advising of such change at the beginning of this Policy and on this site's home page for 30 days. We will assume you have accepted any such change after the expiry of this 30 day period or if you continue to use this site after such changes have been posted and before such period has expired. If you do not accept any such changes, please contact us by using the contact details above and ask us to stop using your personal data. We recommend that you re-visit this Privacy Policy from time to time to learn of any such changes to this Privacy Policy.

# Index

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