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Nseries

User **guide**

Nokia N76-1

CE 0434

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

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1. Contact Nokia

If you ever need to call Nokia Care Contact Center, you will need to provide specific information about your phone. Whether you are calling about your device or an enhancement, have the equipment with you when you call. If a Nokia representative asks a specific question about the enhancement, you will have it available for quick reference.

Nokia Care Contact Center, USA

Nokia Inc.

4630 Woodland Corporate Blvd.

Suite #160

Tampa, Florida 33614

Tel: 1-888-NOKIA-2U

(1-888-665-4228)

Fax: 1-813-249-9619

Web site: www.nokiausa.com/support

In Canada call:

Tel: 1-888-22-NOKIA

(1-888-226-6542)

Web site: www.nokia.ca

For TTY/TDD users only:

1-800-24-NOKIA (1-800-246-6542)

■ Get help

Find your phone label

If you need to call the Nokia Care Contact Center or your service provider, you will need to provide specific information about your phone. This information is provided on the phone label (1), which is on the back of the phone (under the battery). It contains the model and serial numbers, as well as other important information about your phone.



To help Nokia promptly answer your questions, please have the following information available before contacting the Nokia Care Contact Center:

- Your phone model number
- Type number
- International mobile equipment identity (IMEI) or electronic serial number (ESN)
- Your zip code
- The phone or enhancement in question

■ Updates

Check www.nokiausa.com/support or your local Nokia Web site for the latest version of this guide, additional information, downloads, and services related to your Nokia product. You may also download free configuration settings such as MMS, GPRS, e-mail, and other services for your phone model at www.nokiausa.com/phonesettings.

If you still require assistance, check the list of local Nokia contact centers at www.nokiausa.com/customerservice or www.nokiausa.com/contact_us.

■ Register your phone

Make sure to register your phone at www.warranty.nokiausa.com or call 1-888-NOKIA-2U (1-888-665-4228) so that we can serve your needs better if you should need to call a customer center or to have your phone repaired.

■ E-newsletters

When you register your phone, you can sign up for the Nokia e-newsletter, Nokia Connections. You will receive tips and tricks on using your phone, enhancement information, and special offers.

2. Nokia One-Year Limited Warranty

Nokia Inc. ("Nokia") warrants that this cellular phone ("Product") is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year beginning on the date of the purchase of the Product. This one year period is extended by each whole day that the Product is out of your possession for repair under this warranty.
2. The limited warranty extends only to the original purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end-user.
3. The limited warranty extends only to Consumers who purchase the Product in the United States of America.
4. During the limited warranty period, Nokia will repair, or replace, at Nokia's sole option, any defective parts, or any parts that will not properly operate for their intended use with new or refurbished replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. Nokia will also pay for the labor charges incurred by Nokia in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Nokia's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Nokia shall not be liable for any other losses or damages. These remedies are the Consumer's exclusive remedies for breach of warranty.
5. Upon request from Nokia, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated itemized receipt.
6. The Consumer shall bear the cost of shipping the Product to Nokia. Nokia shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.
7. 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 subjected to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Nokia, including damage caused by shipping.

- b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, damage caused by computer or internet viruses, bugs, worms, Trojan Horses, cancelbots or damage caused by the connection to other products not recommended for interconnection by Nokia.
 - c) Nokia was not advised in writing by the Consumer of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.
 - d) The Product serial number plate or the enhancement data code has been removed, defaced or altered.
 - e) The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna, or viruses or other software problems introduced into the Product.
8. Nokia does not warrant uninterrupted or error-free operation of the Product. If a problem develops during the limited warranty period, the Consumer shall 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 because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to Nokia. See www.nokiausa.com/support for the address of the repair center nearest you.
 - c) The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). 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 will be responsible for any expenses related to reinstallation of the Product.
 - e) Nokia will repair the Product under the limited warranty within 30 days after receipt of the Product. If Nokia cannot perform repairs covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage. In some states the Consumer may have the right to a loaner if the repair of the Product takes more than ten (10) days.

Please contact the Nokia Care Contact Center at the telephone number listed at the end of this warranty if you need a loaner and the repair of the Product has taken or is estimated to take more than ten (10) days.

- f) If the Product is returned during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.
9. You (the Consumer) understand that the product may consist of refurbished equipment that contains used components, some of which have been reprocessed. The used components comply with Product performance and reliability specifications.
10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF DATA, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.
11. Some states do not allow limitation of how long an implied warranty lasts, so the one year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.

Nokia One-Year Limited Warranty

12. Nokia neither assumes nor authorizes any authorized service center or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.
13. This is the entire warranty between Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.
14. This limited warranty allocates the risk of failure of the Product between the Consumer and Nokia. The allocation is recognized by the Consumer and is reflected in the purchase price.
15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following purchase of the Product.
16. Questions concerning this limited warranty may be directed to:
Nokia Inc.
Telephone: 1-888-NOKIA-2U (1-888-665-4228)
Facsimile: (813) 249-9619
TTY/TDD Users Only: 1-800-24-NOKIA (1-800-246-6542)
Website: www.nokiausa.com/support

3. Message from the CTIA (Cellular Telecommunications & Internet Association) to all users of mobile phones

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1250 Connecticut Avenue, NW Suite 800, Washington, DC 20036.
Phone: (202) 785-0081

Safety is the most important call you will ever make.

■ A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in the U.S. today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice—almost anywhere, anytime—with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, Americans make billions of calls from their wireless phones, and the numbers are rapidly growing. But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle—whether on the phone or not. The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense—keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It means obeying all traffic signs and signals and staying within the speed limit. It means using seatbelts and requiring other passengers to do the same. But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need. When it comes to the use of wireless phones, safety is your most important call.

■ Wireless Phone "Safety Tips"

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

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a hands-free device. A number of hands-free wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can grab it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.
5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a "to do" list while driving a car, you are not watching where you are going. It's common sense. Don't get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip—dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix—they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations—with your phone at your side, help is only three numbers away. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a "Good Samaritan" in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special wireless nonemergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you still can use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely. The wireless industry reminds you to use your phone safely when driving. For more information, please call 1-888-901-SAFE.

For updates:

<http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85>

4. Message from the FDA

The U.S. Food and Drug Administration (FDA) provides the following consumer information about wireless phones.

See <http://www.fda.gov/cellphones/> for updated information.

Do wireless phones pose a health hazard?

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

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

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

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

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

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

- National Institute for Occupational Safety and Health
- Environmental Protection Agency

- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

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

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

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency

energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

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

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

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

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

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

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

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

How does FCC Audit Cell Phone RF?

After FCC grants permission for a particular cellular telephone to be marketed, FCC will occasionally conduct "post-grant" testing to determine whether production versions of the phone are being produced to conform with FCC regulatory requirements. The manufacturer of a cell phone that does not meet FCC's regulatory requirements may be required to remove the cell phone from use and to refund the purchase price or provide a replacement phone, and may be subject to civil or criminal penalties. In addition, if the cell phone presents a risk of injury to the user, FDA may also take regulatory action. The most important post-grant test, from a consumer's perspective, is testing of the RF emissions of the phone. FCC measures the Specific Absorption Rate (SAR) of the phone, following a very rigorous testing protocol.

As is true for nearly any scientific measurement, there is a possibility that the test measurement may be less than or greater than the actual RF emitted by the phone. This difference between the RF test measurement and actual RF emission is because test measurements are limited by instrument accuracy, because test measurement and actual use environments are different, and other variable factors. This inherent variability is known as "measurement uncertainty." When FCC conducts post-grant testing of a cell phone, FCC takes into account any measurement uncertainty to determine whether regulatory action is appropriate. This approach ensures that when FCC takes regulatory action, it will have a sound, defensible scientific basis.

FDA scientific staff reviewed the methodology used by FCC to measure cell phone RF, and agreed it is an acceptable approach, given our current understanding of the risks presented by cellular phone RF emissions. RF emissions from cellular phones have not been shown to present a risk of injury to the user when the measured SAR is less than the safety limits set by FCC (an SAR of 1.6 w/kg). Even in a case where

the maximum measurement uncertainty permitted by current measurement standards was added to the maximum permissible SAR, the resulting SAR value would be well below any level known to produce an acute effect. Consequently, FCC's approach with measurement uncertainty will not result in consumers being exposed to any known risk from the RF emitted by cellular telephones.

FDA will continue to monitor studies and literature reports concerning acute effects of cell phone RF, and concerning chronic effects of long-term exposure to cellular telephone RF (that is, the risks from using a cell phone for many years). If new information leads FDA to believe that a change to FCC's measurement policy may be appropriate, FDA will contact FCC and both agencies will work together to develop a mutually-acceptable approach.

Updated July 29, 2003

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EL CONTENIDO DE ESTE DOCUMENTO ESTÁ PROVISTO "TAL CUAL". ADEMÁS DE LAS EXIGIDAS POR LAS LEYES, NO SE EMITE NINGUNA OTRA GARANTÍA DE NINGÚN TIPO, SEA EXPRESA O IMPLÍCITA, INCLUYENDO, PERO SIN LIMITARSE A, GARANTÍAS IMPLÍCITAS DE MERCADEO Y DE CAPACIDAD PARA UN PROPÓSITO PARTICULAR, EN CUANTO A LA PRECISIÓN Y FIABILIDAD O CONTENIDO DE ESTE DOCUMENTO. NOKIA SE RESERVA EL DERECHO DE REVISAR ESTE DOCUMENTO O DESCONTINUAR SU USO EN CUALQUIER MOMENTO SIN PREVIO AVISO.

1. Contacto con Nokia

Si por alguna razón necesita llamar al Centro de Atención Nokia Care, deberá proveer datos específicos sobre su teléfono. Si está llamando sobre su dispositivo o un accesorio, téngalo a la mano al hacer la llamada. De esta forma, si un representante de Nokia se le pregunta sobre el accesorio, lo tendrá para fácil referencia.

Centro de Atención Nokia Care, EE.UU

Nokia Inc.

4630 Woodland Corporate Blvd.

Suite #160

Tampa, Florida 33614

Tel: 1-888-NOKIA-2U

(1-888-665-4228)

Fax: 1-813-249-9619

Pág. Web: www.nokiausa.com/support

En Canadá:

Tel: 1-888-22-NOKIA

(1-888-226-6542)

Pág. Web: www.nokia.ca

Sólo para usuarios de TTY/TDD:

1-800-24-NOKIA (1-800-246-6542)

■ Solicitar ayuda

Localizar la etiqueta de su teléfono

Si necesita llamar al Centro de Atención Nokia Care o proveedor de servicio, tendrá que proveer información específica sobre su teléfono. Esta información está en la etiqueta del teléfono (1), que se encuentra en la parte posterior del teléfono (debajo de la batería). Contiene el número de modelo y números seriales, al igual que otra información importante sobre su teléfono.



Para que Nokia pueda responder a sus preguntas de manera rápida, favor de tener disponible la siguiente información antes de llamar al Centro de Atención Nokia Care:

- El número de modelo de su teléfono
- Tipo
- Identificación del Equipo Móvil Internacional (IMEI) o Número Electrónico de Serie (ESN)
- Su código postal
- El teléfono o accesorio en cuestión

■ Actualizaciones

Visite www.nokiausa.com/support o su página Web local de Nokia para obtener la versión más reciente de este manual, información adicional, descargas y servicios relacionados a su producto Nokia. También podría descargar ajustes de configuraciones gratuitos tal como MMS, GPRS, email y otro servicios para su modelo de teléfono en www.nokiausa.com/phonesettings.

Si aún necesita ayuda, consulte la lista local de Centros de Servicio al Cliente Nokia en www.nokiausa.com/customerservice o www.nokiausa.com/contact_us.

■ Registre su teléfono

Asegúrese de registrar su teléfono en www.warranty.nokiausa.com o llame al 1-888-NOKIA-2U (1-888-665-4228) para poder servirle mejor si necesita llamar al centro de servicio o reparar su teléfono.

■ Boletines electrónicos

Al registrar su teléfono, podrá subscribirse al boletín electrónico de Nokia, Nokia Connections. Recibirá datos o instrucciones sobre cómo usar su teléfono, accesorio y ofertas especiales.

2. Garantía Limitada Nokia de Un (1) Año

Nokia Inc. ("Nokia") garantiza que este teléfono celular ("Producto") está libre de defectos en materiales y mano de obra los cuales generan averías durante su uso normal, de acuerdo a los siguientes términos y limitaciones:

1. La garantía limitada para el Producto cubre UN (1) año a partir de la fecha de compra del Producto. El período de garantía de un año tiene una prórroga dependiendo de cuántos días el Comprador no tendrá acceso al teléfono debido a la reparación amparada por dicha garantía.
2. La garantía limitada ampara al Comprador original ("Comprador") del Producto y no es ni asignable ni transferible a cualquier subsiguiente comprador/consumidor final.
3. La garantía limitada ampara únicamente a los Compradores que hayan comprado el Producto en los Estados Unidos de América.
4. Durante el período de la garantía limitada, Nokia reparará o repondrá, a elección de Nokia, cualquier parte o piezas defectuosas, o que no cumplan apropiadamente con su función original, con partes nuevas o reconstruidas si dichas partes nuevas o reconstruidas son necesarias debido al mal funcionamiento o avería durante su uso normal. No se aplicará ningún cargo al Comprador por dichas partes. Nokia pagará también los costos de mano de obra que Nokia incurra en la reparación o reemplazo de las partes defectuosas. La garantía limitada no ampara los defectos en hechura, las partes cosméticas, decorativas o artículos estructurales, tampoco el marco, ni cualquier parte inoperativa. El límite de responsabilidad de Nokia bajo la garantía limitada será el valor actual en efectivo del Producto en el momento que el Comprador devuelva el Producto para la reparación, que se determina por el precio que el Comprador pagó por el Producto menos una cantidad razonable deducida por el tiempo de uso del Producto. Nokia no será responsable de cualquier otra pérdida o perjuicio. Estos remedios son los remedios exclusivos del Comprador para la violación de la garantía.
5. A solicitud de Nokia, el Comprador deberá comprobar la fecha de la compra original del Producto mediante un resguardo con fecha de la compra del Producto.
6. El Comprador deberá asumir el costo de transportación del Producto a Nokia. Nokia asumirá el costo del embarque de regreso del Producto al Comprador una vez completado el servicio bajo esta garantía limitada.

7. El Comprador no tendrá derecho a aplicar esta garantía limitada ni a obtener ningún beneficio de la misma si cualquiera de las siguientes condiciones es aplicable:
- a) El Producto haya sido expuesto a: uso anormal, condiciones anormales, almacenamiento inapropiado, exposición a la humedad, modificaciones no autorizadas, conexiones no autorizadas, reparaciones no autorizadas, mal uso, descuido, abuso, accidente, alteración, instalación inadecuada, u otros actos que no sean culpa de Nokia, incluyendo daños ocasionados por embarque.
 - b) El Producto haya sido estropeado debido a causas externas tales como, colisión con otro objeto, incendios, inundaciones, arena, suciedad, huracán, relámpagos, terremoto o deterioro causado por condiciones meteorológicas, factores de fuerza mayor o drenaje de batería, robo, fusible roto, o uso inapropiado de cualquier fuente de energía; daños causados por cualquier tipo de virus, errores, gusanos, Caballos de Troya, robo de cancelación (Cancelbots) o perjuicio causado por una conexión a otros productos no recomendados por Nokia para la interconexión.
 - c) Nokia no haya sido avisado por escrito por el Comprador del supuesto mal funcionamiento del Producto dentro del período de catorce (14) días después de la caducidad del período de la aplicable garantía limitada.
 - d) La placa del número de serie del Producto o el código de dato del accesorio haya sido quitado, borrado o alterado.
 - e) El defecto o daño haya sido causado por un funcionamiento defectuoso del sistema celular, o por una inadecuada recepción de señal de la antena exterior, o por cualquier tipo de virus u otros problemas de software que haya sido introducido en el Producto.
8. Nokia no garantiza ni un funcionamiento ininterrumpido del producto ni una operación sin errores. Si durante el período de la garantía limitada llegase a desarrollar un problema, el Comprador deberá seguir paso a paso el siguiente procedimiento:
- a) El Comprador deberá devolver el Producto al lugar de adquisición para su reparación o proceso de reemplazo.
 - b) Si "a" no resulta conveniente debido a la distancia (más de 50 millas) o por cualquier otra buena razón, el Comprador deberá embarcar el Producto prepagado y asegurado a Nokia. Para saber la dirección del centro de reparación más cercano, visite www.nokiausa.com/support.

- c) El Comprador deberá incluir la dirección del remitente, número telefónico (de día) y/o número de fax, una descripción completa del problema, resguardo de compra y acuerdo de servicio (si es aplicable). Los gastos incurridos para remover el Producto de una instalación no son cubiertos por esta garantía limitada.
 - d) El Comprador será responsable de las facturas correspondientes a las partes o la mano de obra no cubiertas por esta garantía limitada. El Comprador será responsable de cualquier gasto de reinstalación del Producto.
 - e) Nokia reparará el Producto bajo la garantía limitada dentro de un plazo de 30 días después de la recepción del Producto. Si Nokia no puede realizar la reparación amparada por esta garantía limitada dentro de 30 días, o tras una cantidad razonable de intentos de reparar el mismo defecto, Nokia tiene la opción de proveer un repuesto del Producto o abonar el precio de compra del Producto menos una cantidad razonable aplicable al uso. En ciertos estados el Comprador tendrá derecho a un teléfono prestado cuando la reparación del producto pueda durar más de diez (10) días. Contacte al Centro de Atención Nokia Care al número telefónico que aparece al final de esta garantía si necesita un teléfono prestado y si la reparación del Producto tardará/está calculado a tardar más de diez (10) días.
 - f) En caso de que el Producto haya sido devuelto a Nokia dentro del período de la garantía limitada, pero el problema del Producto no esté cubierto por los términos y condiciones de esta garantía limitada, el Comprador será notificado y recibirá un presupuesto del costo a pagar por el Comprador por la reparación del producto y gastos de envío facturado al Comprador. Si el presupuesto es rechazado, el producto será devuelto al cliente por mensajería por cobrar. Si el producto es devuelto a Nokia después de la fecha de vencimiento del plazo de la garantía limitada, se aplicarán las políticas normales de servicio de Nokia y el Comprador será responsable de todos los gastos de envío.
9. Usted (el comprador) entiende que el producto consta de un ensamble nuevo que puede contener componentes usados los cuales han sido reprocesados. Los componentes usados cumplen las especificaciones de rendimiento y confiabilidad del Producto.
10. CUALQUIER GARANTÍA IMPLÍCITA O MERCANTIL PARA CUALQUIER PROPÓSITO O USO PARTICULAR DEBE LIMITARSE A LA DURACIÓN DE LA ESCRITA GARANTÍA LIMITADA PRECEDENTE. DE OTRA FORMA, LA GARANTÍA PRECEDENTE ES EL ÚNICO EXCLUSIVO REMEDIO DEL COMPRADOR Y EN LUGAR DE CUALQUIER OTRA GARANTÍA, EXPRESA O IMPLÍCITA NOKIA NO PODRÁ SER REQUERIDO POR DAÑOS INCIDENTALES, PUNITIVOS O CONSECUENCIALES O POR PÉRDIDAS ANTICIPADAS INCLUYENDO, PERO SIN LIMITAR, A PÉRDIDA DE BENEFICIOS

O GANANCIAS ANTICIPADAS, PÉRDIDA DE AHORROS O INGRESOS, DAÑOS PUNITIVOS, PÉRDIDA DE USO DEL PRODUCTO O DE CUALQUIER OTRO EQUIPO RELACIONADO, COSTO DE CAPITAL, COSTO DE CUALQUIER EQUIPO O FACILIDAD DE REEMPLAZO, TIEMPO MUERTO, LAS DEMANDAS DE PERSONAS A TERCERAS INCLUYENDO CLIENTES, Y DAÑO A LA PROPIEDAD COMO RESULTADOS DE LA COMPRA O USO DEL PRODUCTO O CAUSADO POR UNA VIOLACIÓN DE LA GARANTÍA DE CONTRATO, NEGLIGENCIA, INDEMNIZACIÓN ESTRICTA, O CUALQUIER OTRA TEORÍA LEGAL O IMPARCIAL, AÚN CUANDO NOKIA SUPIERA DE LA EXISTENCIA DE DICHO DAÑOS, NOKIA NO SERÁ RESPONSABLE DE LA DEMORA EN LA APORTACIÓN DE SERVICIO BAJO LA GARANTÍA LIMITADA, O PÉRDIDA DE USO DURANTE EL PERÍODO DE LA REPARACIÓN DEL PRODUCTO.

11. Algunos estados no permiten limitación de duración de una garantía implícita, entonces puede que la garantía limitada de un año no le concierna a usted (el Comprador). Algunos estados no permiten exclusiones o limitaciones de daños incidentales y consecuentes, por lo tanto puede que ciertas limitaciones o exclusiones arriba indicadas no le conciernan a usted (el Comprador). Esta garantía limitada le concede al Comprador derechos específicos y legales y puede ser que el Comprador tenga otros derechos, los cuales varían de estado a estado.
12. Nokia tampoco asume ni autoriza a cualquier centro de servicio, persona o entidad autorizada que se asumiera para Nokia ninguna otra obligación o responsabilidad que no esté explícitamente provista en esta garantía limitada incluyendo al proveedor o al vendedor de cualquier garantía extendida o acuerdo de servicio.
13. Ésta es la garantía entera entre Nokia y el Comprador, e invalida todos los contratos o acuerdos anteriores y contemporáneos, verbales o escritos, y todas las comunicaciones relacionadas al Producto y ninguna representación, promesa o condición no mencionadas en el presente modificará estos términos.
14. La garantía limitada indica el riesgo de falla del Producto entre el Comprador y Nokia. La indicación es reconocida por el Comprador y se refleja en el precio de venta del Producto.
15. Cualquier gestión o acción legal relacionada a la garantía deberá ser iniciada dentro de los dieciocho (18) meses subsecuentes al envío del Producto.
16. Cualquier pregunta concerniente a esta garantía limitada puede dirigirse a:

Nokia Inc.
Tel.: 1-888-NOKIA-2U (1-888-665-4228)

Fax: (813) 249-9619

Sólo para usuarios de TTY/TDD: 1-800-24-NOKIA (1-800-246-6542)

Pág. Web: www.nokiausa.com/support

3. Mensaje de la CTIA (Cellular Telecommunications & Internet Association) para todos los usuarios de teléfonos celulares

© 2001 Cellular Telecommunications & Internet Association. Todos los derechos reservados. 1250 Connecticut Avenue, NW Suite 800, Washington, DC 20036.
Teléfono: (202) 785-0081

La seguridad es su deber más importante que tendrá que realizar.

■ Una guía para el uso responsable y seguro del teléfono celular

Hoy día millones de personas en los Estados Unidos aprovechan de la combinación única de comodidad, seguridad y valor que la telefonía celular aporta. Sencillamente, el teléfono celular da a la gente la habilidad poderosa de poder comunicarse por voz - casi en todos los sitios a cualquier hora - con el jefe, un cliente, los hijos, en caso de emergencias o incluso con la policía. Cada año los americanos hacen miles de millones de llamadas con sus teléfonos celulares, y aun la cifra asciende rápidamente. Pero una responsabilidad importante acompaña esas ventajas la cual es reconocida por el usuario de teléfono celular. Cuando está conduciendo, su responsabilidad primordial es conducir. Un teléfono celular puede ser una herramienta indispensable, no obstante, el conductor deberá tener un buen juicio todo el tiempo mientras está conduciendo - esté o no esté usando el teléfono. Las lecciones básicas son aquellas que habíamos aprendido cuando éramos jóvenes. El conducir requiere agilidad, precaución y cortesía. Necesita mucho sentido común - mantenga la cabeza en posición normal, dirija la vista hacia el trayecto, compruebe los visores con frecuencia y precaución con los demás conductores. Deberá respetar todas las señales de tráfico y mantenerse dentro del límite de velocidad. Deberá abrocharse el cinturón de seguridad y requerir que los otros pasajeros hagan lo mismo. Pero con el teléfono celular, el conducir significa algo más. Este folleto es una llamada a todos los usuarios de teléfonos celulares en todos los sitios para que la seguridad sea su prioridad cuando están detrás del volante. La telecomunicación celular sirve para ponernos en contacto, simplificar nuestra vida, protegernos durante una emergencia y proveernos la oportunidad de poder ayudar a los demás. En cuanto al uso del teléfono celular, la seguridad es su deber más importante.

■ "Guías de seguridad sobre el uso del Teléfono Celular"

A continuación, se reflejan las guías de seguridad a seguir mientras está conduciendo y usando un teléfono celular las cuales deberían ser fáciles de recordar.

1. Conozca bien su teléfono celular y sus funciones, tales como la marcación rápida y rediscado. Lea detenidamente su manual de instrucciones y aprenda a optimizar las opciones que el teléfono pueda ofrecer, incluyendo rediscado automático y la memoria. También, aprenda de memoria el teclado para poder usar la función de marcación rápida sin la necesidad de quitar la vista de la carretera.
2. Cuando esté disponible, use la función manos libres. Hoy día se dispone de una cantidad de accesorios manos libres. Aunque elija el dispositivo de montaje instalado para su teléfono celular o un microteléfono, aproveche los dispositivos disponibles.
3. Coloque su teléfono celular para un alcance fácil. Asegúrese de ubicar su teléfono celular a la mano, donde lo pueda levantar sin tener que quitar la vista de la carretera. Cuando entre una llamada, si es posible, que su buzón de voz lo responda.
4. Posponga cualquier conversación mientras esté conduciendo en una situación muy peligrosa. Como conductor, su responsabilidad es prestarle atención al tráfico. Dígame a la otra persona que usted está conduciendo; si fuera necesario, cancele la llamada en embotellamientos o durante situaciones peligrosas de tiempo. La lluvia, aguanieve, nieve y hielo pueden ser tan peligrosas como los embotellamientos. Como conductor, su responsabilidad es prestarle atención al tráfico.
5. No tome notas o busque números telefónicos cuando esté conduciendo. Si está leyendo un directorio o tarjeta de negocio, o escribiendo una lista de "tareas" mientras está conduciendo, no estará al tanto de su ruta. Es caso de sentido común. No se involucre en situaciones de tráfico peligrosas debido a que usted está leyendo o escribiendo sin prestar atención al tráfico y a los vehículos cercanos.
6. Marque con sensatez y esté al tanto del tráfico; si fuera posible, haga las llamadas cuando esté estacionado o retirado de la carretera antes de hablar. Trate de planear sus llamadas antes de emprender el viaje para que sus llamadas coincidan con las señales de Stop, semáforos en rojo o estacionamientos. Pero, si es preciso hacer una llamada mientras esté conduciendo, siga esta norma sencilla: marque unos pocos números, compruebe la carretera y sus visores, y luego continúe.
7. Evite conversaciones estresantes y emotivas que puedan distraer la atención. No se pueden combinar el conducir y las conversaciones emotivas y estresantes - es muy peligroso cuando está detrás del volante. Que la persona con quien está hablando sepa que usted está conduciendo, y si es necesario, evite conversaciones de distracción.

8. Utilice su teléfono celular para pedir socorro. Su teléfono celular es una de las mejores herramientas que puede adquirir para protegerse a usted y a su familia en situaciones peligrosas - con su teléfono a su lado tendrá el socorro a su alcance con sólo la marcación de tres números. Marque 9-1-1 o el número local de emergencia en caso de incendio, accidente de tráfico, peligro en la carretera o emergencia médica. Recuerde, ¡es una llamada gratis en su teléfono celular!
9. Use su teléfono celular para ayudar a los demás en tiempo de emergencia. Su teléfono celular le brinda la oportunidad perfecta para ser "un buen samaritano" en su comunidad. En situaciones de accidente de tráfico, crímenes u otras emergencias de vida, llame al 9-1-1 o el número local de emergencia, como usted quiere que los demás hagan por usted.
10. Cuando sea necesario, llame al centro de asistencia de tráfico u otro número celular de ayuda para situaciones que no son de emergencia. Puede encontrar ciertas situaciones cuando esté conduciendo las cuales no merecen la necesidad de referirlas a los servicios de emergencia. Pero si puede usar su teléfono celular para echar una mano. Si ve un automóvil que no corre en medio de la carretera aunque no signifique ningún peligro, señale rotas de tráfico, un accidente de tráfico sin ningún herido, o un vehículo robado, llame a la asistencia o a otros números especiales de teléfonos celulares en situaciones que no son de emergencia.

Las personas irresponsables, descuidadas, distraídas y los que conduzcan irresponsablemente representan un peligro en la carretera. Al acercarnos hacia un siglo nuevo, más gente se aprovechará de las ventajas de los teléfonos celulares. Desde el año 1984, la Asociación de la Industria de Telecomunicaciones Celulares (CTIA) y la industria celular han realizado asistencia educativa para informar a los usuarios de teléfonos celulares de su responsabilidad siendo conductores cautelosos y buenos ciudadanos. Al acercarnos hacia un siglo nuevo, más gente se aprovechará de las ventajas de los teléfonos celulares. Y, al dirigirnos a la carretera, todos tenemos la responsabilidad de conducir con cautela.

La industria celular le recuerda utilizar con seguridad su teléfono mientras conduce.

Para más información, llame a 1-888-901-SAFE.

Para datos actualizados, visite:

<http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85>

4. Mensaje de la FDA

U.S. Food and Drug Administration (FDA) para todos los usuarios de teléfonos celulares.

Para información actualizada, visite <http://www.fda.gov/cellphones/>.

¿Significan un peligro para la salud los teléfonos celulares?

La evidencia científica disponible no muestra que ningún problema de salud tiene relación con el uso de teléfonos celulares. No hay pruebas, sin embargo, que los teléfonos celulares son absolutamente seguros. Los teléfonos celulares emiten niveles bajos de radiofrecuencia (RF) en la gama de microonda durante el uso. También emiten niveles muy bajos de RF en modalidad de inactividad. Mientras que los niveles altos de RF pueden influir la salud (por calentamiento) la exposición a un nivel bajo de RF no produce efectos de calentamiento y no causa efectos adversos a la salud. Muchos estudios sobre exposiciones a nivel bajo de RF no han encontrado efectos biológicos. Ciertos estudios han sugerido que podrían resultar en ciertos efectos biológicos, pero tales encuestas no han sido confirmadas por estudios adicionales. En ciertos casos, otros investigadores han tenido dificultades para reproducir tales estudios o determinar las causas de los resultados inconsistentes.

¿Cuál es el papel de la FDA concerniente a la seguridad de los teléfonos celulares?

Bajo la ley, la FDA no revisa la seguridad de los productos que generan radiación, tales como, teléfonos celulares antes de su venta, como se hacen con medicamentos o dispositivos médicos nuevos. Sin embargo, la agencia tiene la autoridad para realizar una acción si es mostrado que el nivel de la radiofrecuencia (RF) emitida por los teléfonos celulares muestra algún peligro para el usuario. En tal caso, la FDA podría requerir a los fabricantes de teléfonos celulares que avisen a los usuarios del peligro de los teléfonos celulares para la salud, y que reparen, o devuelvan los teléfonos para que el ya peligro no exista.

Aunque los datos científicos existentes no justifican las acciones reglamentarias de la FDA, la FDA le exige a la industria de teléfonos celulares que establezca medidas, que incluyan las siguientes:

- Respalda la investigación necesaria hacia los posibles efectos biológicos del tipo de RF generada por teléfonos celulares;
- Diseñar los teléfonos celulares de tal manera que minimicen la exposición del usuario a un nivel RF necesario para el funcionamiento del dispositivo; y
- Colaborar en la tarea de proveerles a los usuarios de teléfonos celulares la mayor información posible sobre los resultados generados por el uso de los teléfonos celulares en cuanto a la salud.

La FDA pertenece a un grupo de interagencias de las agencias federales que se encargan de los distintos aspectos de la seguridad de la RF para asegurar los esfuerzos coordinados al nivel federal. Las agencias siguientes pertenecen a este grupo:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

El National Institute of Health participa también en actividades del grupo interagencia.

La FDA comparte con la Federal Communications Commission (FCC) las responsabilidades para teléfonos celulares. Todos los teléfonos celulares vendidos en los Estados Unidos deben cumplir con los reglamentos establecidos por la FCC que limitan la exposición RF. La FCC depende de la FDA y otras agencias sanitarias sobre los asuntos de seguridad de los teléfonos celulares.

La FCC también regulariza las estaciones base de donde dependen las redes de teléfonos celulares. Mientras estas estaciones de base funcionan con una potencia más alta que los propios teléfonos celulares, la exposición RF que el usuario podría recibir de dichas estaciones bases es, en general, mucho más reducida que la RF generada por los teléfonos celulares. Las estaciones de base no son el asunto de las preguntas de seguridad tratadas en este documento.

¿Qué está realizando la FDA para saber más sobre los resultados posibles en la salud causados por teléfonos celulares?

Junto con la entidad U.S. National Toxicology Program y con otros grupos de investigadores mundiales, la FDA está trabajando para asegurar que se están conduciendo estudios altamente prioritarios en animales para dirigir preguntas sobre los efectos de la exposición RF. La FDA ha sido el participante líder en el proyecto International Electromagnetic Fields (EMF) desde su inicio en el 1996, de la entidad World Health Organization. Como resultado poderoso de este trabajo se desarrolló una agenda detallada de las necesidades en la investigación que propulsó el establecimiento de programas nuevos de investigaciones por todo el mundo. El proyecto también ha ayudado a desarrollar una serie de documentos de información pública sobre los asuntos EMF. La FDA y la Cellular Telecommunications & Internet Association (CTIA) conducen un acuerdo formal denominado Cooperative Research and Development Agreement (CRADA) para realizar investigaciones de la seguridad en el uso del teléfono celular. La FDA provee una vista científica, consiguiendo las opiniones de los expertos de las organizaciones académicas, industriales y

gubernamentales. La investigación financiada por la CTIA es realizada por contratos con investigadores independientes. La investigación inicial incluirá tanto los experimentos en laboratorios como los estudios sobre usuarios de teléfonos celulares. El proyecto CRADA también va a asesorar ampliamente los requerimientos en los estudios bajo el contexto de los desarrollos de las investigaciones más recientes por todo el mundo.

¿Qué medidas puedo realizar para reducir la radiofrecuencia irradiada por mi teléfono celular a la que estoy expuesto?

Si existe algún riesgo de estos productos - y en este momento desconocemos tal existencia - probablemente será muy mínimo. Sin embargo, si le concierne la prevención de posibles riesgos, haga estos pasos sencillos para minimizar la radiofrecuencia (RF). Puesto que el tiempo es un factor clave, en cuanto al nivel de la exposición que una persona pueda recibir, minimizar el tiempo de uso del teléfono celular reducirá la exposición a la RF.

Si tiene que extender su tiempo de conversación con su teléfono celular, podrá alejarse del origen de la RF, puesto que el nivel de exposición RF reducirá dependiendo de la distancia. Por ejemplo, podrá utilizar un auricular y llevar el celular apartado de su cuerpo o usar un teléfono celular conectado a una antena remota.

Se reitera que los datos científicos no muestran que los teléfonos celulares son peligrosos. Sin embargo, si le concierne la prevención de posibles riesgos, podrá adoptar las medidas antes mencionadas para reducir el nivel de exposición a la RF que se origina de los teléfonos celulares.

¿Significa un riesgo para los niños el uso de teléfonos celulares?

Las evidencias científicas no muestran peligro a los usuarios de teléfonos celulares, incluso para los niños y jóvenes. Si desea realizar las medidas para reducir la exposición a la radiofrecuencia (RF), las medidas anteriormente mencionadas servirían para los niños y jóvenes que usan teléfonos celulares. Reducir del tiempo de uso del celular y aumentar la distancia entre el usuario y el origen de la radiofrecuencia minimizará la exposición a la RF. Ciertos grupos patrocinados por otras entidades nacionales gubernamentales han recomendado que los niños no utilicen teléfonos celulares. Por ejemplo, en diciembre 2000, el gobierno del Reino Unido distribuyó folletos conteniendo dicha recomendación. Se han dado cuenta que no existen ninguna evidencia que el uso de teléfonos celulares pueda causar tumores cerebrales u otras enfermedades. Su recomendación de que los niños limiten el uso de los teléfonos celulares fue solamente a efecto preventivo; no fue basada en ninguna evidencia de peligros para la salud.

¿Reduce el riesgo de la exposición a la radiofrecuencia el uso de accesorios manos libres con teléfonos celulares?

Puesto que no existen riesgos a exposición RF irradiada por teléfonos celulares, no hay motivo para creer que el uso de equipos manos libres reducen los riesgos. Se pueden usar los equipos manos libres con los teléfonos celulares por razones de comodidad y confort. Estos sistemas reducen la posibilidad de que la cabeza absorba la radiofrecuencia puesto que el teléfono, de donde se emite la radiofrecuencia, se usa lejos de la cabeza. Por otro lado, si el teléfono se lleva en la cintura o en otra parte del cuerpo durante su uso, entonces esa parte del cuerpo absorberá más la energía radiofrecuencia. Se requieren que los teléfonos celulares vendidos en Estados Unidos cumplan con las medidas de seguridad sin importar si son usados contra la cabeza o portados con cualquier parte del cuerpo. Cualquiera de la configuración deben cumplir con los límites de seguridad.

¿Sirven como deben los accesorios de teléfonos que son promocionados como protector para la cabeza contra la radiación emitida por RF?

Puesto que no existen riesgos de exposición a la radiofrecuencia emitida por los teléfonos celulares, no hay motivo para creer que los accesorios que protegen la cabeza contra dichas emisiones de verdad reducen los riesgos. Ciertos productos que son promocionados como protectores contra la radiofrecuencia usan fundas especiales para teléfonos, mientras hay los que no tengan blindaje más que accesorios metálicos adjuntados al teléfono. Según las investigaciones, en general estos productos no funcionan como son promocionados. Estos denominados "blindajes", no como los equipos "manos libres", podrían interferir con la operación debida del teléfono. El teléfono podría ser provocado a elevar su potencia que podría incrementar la absorción de radiofrecuencia. En febrero 2002, la entidad Federal Trade Commission (FTC) denunció dos empresas que vendieron dispositivos que, como ellas alegaban, protegían a los usuarios de teléfonos celulares contra la irradiación e hicieron declaraciones falsas y reclamaciones no confirmadas. Según la FTC, estos demandados carecían de una base razonable para respaldar su demanda.

¿Cómo asesora FCC la radiofrecuencia de un teléfono celular?

Después de otorgar la licencia de mercadeo de un teléfono celular particular, la FCC realiza, de vez en cuando, pruebas "post-grant" (después de otorgar) para determinar si la producción de los modelos del teléfono están cumpliendo los requerimientos estipulados por la FCC. Al fabricante de un teléfono celular que no reúna los requerimientos estipulados por la FCC se le puede requerir que retire el uso del teléfono celular y que abone el costo de la compra o que reponga el teléfono, y podría ser sometido a sanciones delictivas o civiles. Además, si el teléfono significa un riesgo de peligro para el usuario, la FDA también puede realizar una acción regulatoria. La prueba "post-grant" más importante, desde la perspectiva del

consumidor, es la de las irradiaciones RF del teléfono. FCC mide el nivel de Specific Absorption Rate (SAR-TAE - Tasa de Absorción Específica) del teléfono, siguiendo un protocolo de pruebas muy riguroso. Como ocurre con casi cualquier medición científica, es posible que la medición de prueba pueda ser menos o más de la RF actual irradiada por el teléfono. Esta diferencia entre la medición de prueba de RF y la radiación RF actual es debido al hecho de que las mediciones de pruebas son limitadas por la autenticidad del instrumento, puesto que los entornos de la medición de prueba y del uso actual son diferentes, y por otros factores variables. Esta variación inherente es denominado "incertidumbre de medición". Cuando FCC conduce una medición "post-grant" de un teléfono celular, FCC se toma en cuenta de cualquier incertidumbre para determinar la necesidad de una acción regulatoria. Este paso asegura que cuando FCC toma acciones regulatorias, éstas tendrán una base científica defendible y exacta.

El personal FDA revisó la metodología usada por FCC para medir la RF del teléfono celular, y estuvo de acuerdo que es un paso aceptable, en vista de nuestro entendimiento actual de los riesgos de las irradiaciones RF de los teléfonos celulares. No se ha demostrado que las irradiaciones RF de los teléfonos celulares presentan un riesgo dañino al usuario cuando la medida SAR es menos de los límites de seguridad estipulados por FCC (un SAR de 1.6 w/kg). Aunque la medida máxima de incertidumbre permitida por las normas actuales de medición fue agregada al norma máxima permitida por SAR, el valor resultante de SAR podría aparecer menos que cualquier nivel que pueda producir un resultado agudo. Consiguientemente, el paso de FCC con incertidumbre de medición no resultará en exponer a los usuarios a cualquier riesgo de la RF irradiada por los teléfonos celulares.

La FDA continúa a monitorear los estudios y literatura de reportes referentes a los efectos severos de la RF de los teléfonos celulares, y referentes a los efectos crónicos de exposición a largo plazo a la RF del teléfono celular (es decir, los riesgos que emanan del uso de teléfonos celulares por muchos años). En caso de que una nueva información da indicio a FDA a creer que un cambio en la política de medida de FCC podría ser apropiado, FDA se pondrá en contacto con FCC y ambas agencias trabajarán conjuntamente para desarrollar un paso mutuamente aceptable.

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For your safety

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



SWITCH ON SAFELY Do not switch the 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 HOSPITALS Follow any restrictions. Switch the device off near medical equipment.



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



SWITCH OFF WHEN REFUELING Do not use the device at a refueling point. Do not use near fuel or chemicals.



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



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



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



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



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



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



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



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

About your device

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

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

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

Your device supports internet connections and other methods of connectivity. Like computers, your device may be exposed to viruses, malicious messages and applications, and other harmful content. Exercise caution and open messages, accept connectivity requests, download content, and accept installations only from trustworthy sources. To increase the security of your device, consider installing, using, and regularly updating antivirus software, firewall, and other related software on your device and any connected computer.



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.

The office applications support common features of Microsoft Word, PowerPoint, and Excel (Microsoft Office 97, 2000, and XP). Not all file formats can be viewed or modified.

During extended operation, such as an active video sharing session or high-speed data connection, the device may feel warm. In most cases, this condition is normal. If you suspect the device is not working properly, take it to the nearest authorized service facility.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third-party sites are not

affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take precautions for security or content.

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

Network services

To use the phone you must have service from a wireless service provider. Many of the features require special network features. These features are not available on all networks; other networks may require that you make specific arrangements with your service provider before you can use the network services. Your service provider can give you instructions and explain what charges will apply. Some networks may have limitations that affect how you can use network services. For instance, some networks may not support all language-dependent characters and services.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, these features will not appear on your device menu. Your device may also have a special configuration such as changes in menu names, menu order, and icons. Contact your service provider for more information.

This device supports WAP 2.0 protocols (HTTP and SSL) that run on TCP/IP protocols. Some features of this device, such as MMS, browsing, and e-mail require network support for these technologies.

Enhancements, batteries, and chargers

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

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from a AC-3, or AC-4 charger and from an AC-1, ACP-8, ACP-9, ACP-12, or LCH-12 charger when used with a CA-44 charger adapter.

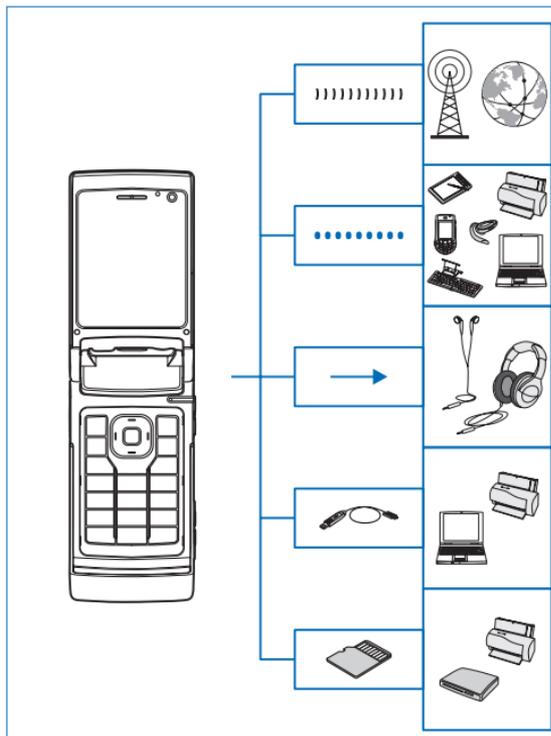
The battery intended for use with this device is BL-4B.



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

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

Get connected



Use your device on the 2G and 3G networks. See *About your device*, p. 8.

Use Bluetooth technology to transfer files and connect to compatible enhancements. See *'Bluetooth connectivity'*, p. 58.

Use the Nokia AV Connector (3.5 mm) to connect to compatible headsets and headphones. See *'Headset'*, p. 18.

Use a compatible data cable, for example the Nokia Connectivity Cable DKE-2, to connect to compatible devices, such as printers and PCs. See *'USB'*, p. 61.

Use a compatible microSD card to transfer data or back up information. See *'Memory card tool'*, p. 19.

Support

Model number: Nokia N76-1

Hereinafter referred to as Nokia N76.

Nokia support and contact information

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

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

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

Help

Your device has context-sensitive help. When an application is open, select **Options > Help** to access help for the current view.

When you are reading the instructions, to switch between help and the application that is open in the background, press and hold .

To open help from the main menu, select **Tools > Help**. Select the desired application to view its help topics.

Get started

See the get started guide for keys and parts information and instructions for setting up the device for use.

Additional applications

There are various applications provided by Nokia and different third-party software developers to help you do more with your Nokia N76. These applications are explained in the guides that are available at the Nokia N76 product support pages at www.nokia.com/support or your local Nokia website.

Your Nokia N76

Software updates

Nokia may produce software updates that may offer new features, enhanced functions, or improved performance. You may be able to request these updates through the Nokia Software Updater PC application. To update the device software, you need the Nokia Software Updater application and a compatible PC with Microsoft Windows 2000 or XP operating system, broadband internet access, and a compatible data cable to connect your device to the PC.

To get more information and to download the Nokia Software Updater application, visit www.nokia.com/softwareupdate or your local Nokia web site.

Settings

Your device normally has MMS, GPRS, streaming, and mobile internet settings automatically configured in the device, based upon your wireless service provider information. You may have settings from your service providers already installed in your device, or you may receive or request the settings from the service providers as a special message.

To change the general settings in your device, such as language, the standby mode and display settings, see 'Phone', p. 103.

Welcome

When you switch on your device for the first time, **Welcome** opens. Select from the following:

Settings wizard—to configure various settings.

Data transfer—to transfer content, such as contacts and calendar entries, from a compatible Nokia device. See 'Transfer content from another device', p. 16.

To open **Welcome** later, press , and select **Applications > Welcome**. You can also access the individual applications in their own menu locations.

Modes

Your device has two operating modes: with the fold closed for access to particular features including **Music player**, **Radio**, **Camera** and **Messaging**, and with the fold open for traditional mobile phone use and access to all the features on your device.

Fold closed—cover display

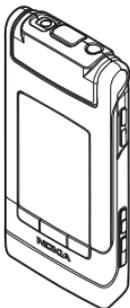
When the fold is closed, the main display deactivates, and the cover display lights up. Ongoing calls end, unless the loudspeaker is in use or a compatible headset is connected. To change the settings, see 'Cover display' p. 49. If you are using **Music player** or **Visual Radio** to listen to a sound clip, it continues to play.

With the fold closed, the cover display provides clock and status information. In the standby mode, the signal strength and battery indicators, time information, and the status indicators may be displayed.

If you are using **Music player** to listen to a sound clip, volume bars and track information are displayed. To play, pause, or play the next or previous sound clip, use the quick cover keys. To adjust the volume, use the volume keys.

If you are using **Visual Radio** with the fold closed, volume bars and station information are displayed. To turn the radio on or off and select the next or previous saved station, use the media keys. To adjust the volume, use the volume keys.

If you are using **Camera** with the fold closed, hold the device in landscape. The outer display becomes the viewfinder. To activate the camera, press and hold .



To zoom in or out, press the volume keys up or down. To take a picture, press . To switch between **Image mode** and **Video mode**, press .

To make lighting and color adjustments before taking a picture, press  to activate the toolbar, and use the volume keys to scroll through the active toolbar. See 'Setup settings—color and lighting', p. 33 and 'Scenes', p. 34.

Calendar and clock alarms, notes for missed calls, and new received messages are also displayed. To view received text messages and the text and image objects of received multimedia messages, open the fold, and view the message on the main display. See 'Inbox—receive messages', p. 69.

Incoming calls are indicated by their normal tone and a note. In the cover display settings, select **Answer if fold opened** to answer a call when you open the fold. If a compatible headset is connected to the device, press . To change the settings, see 'Cover display', p. 49.

To make calls or use the menu, open the fold.

To lock the keys, see 'Keypad lock (keyguard)', p. 18.

Fold open—main display

When you open the fold, the main display lights up, the keypad is available, and you can access the menu. To access the menu, press



The fold opens about 165 degrees, as shown in the picture. Do not force the fold to open more.



Keys and navigation

See the get started guide for a complete list of all the keys and parts in your device.

Menu key

With the menu key, you can access the main menu. In an open application, press to make the application run in the background. To switch between open applications, press and hold .

Navi™ scroll key

Hereinafter referred to as the scroll key.

Use the scroll key to move around the menus (, , ,) and to select items (.

Tip! When in the menus, instead of using the scroll key, you can use the number keys, #, and * to quickly access the applications. For example, in the main menu, press **3** to open **Calendar**.

Multimedia key

With the multimedia key, you have quick access to multimedia content and predefined applications.

To open the shortcut assigned to the multimedia key, press and hold . To open a list of multimedia applications, press . To open the desired application, use the scroll key. To exit the list without selecting an application, press .

To change the shortcuts, press and . To change the applications that are shown when you press , select **Top**, **Left**, **Middle**, and **Right** and the application.

Some shortcuts may be fixed, and you are not able to change them.

Edit key

To copy and paste text, press and hold to select letters and words. Press or to highlight text. To copy the text to clipboard, while still holding , select **Copy**. To

insert the text into a document, press and hold , and select **Paste**.

Edit text and lists

- To mark an item in a list, scroll to it, and press  and  at the same time.
- To mark multiple items in a list, press and hold  while you press  or . To end the selection, release , then release .

In **Messaging**, use the edit key to turn predictive text on, enter in the number mode, insert a symbol, and change the writing language. See 'Messaging', p. 67.

Mode key

The mode key is a multifunction key, allowing you to switch easily between selected applications, and change the views within certain applications when the fold is closed.

With the fold open, press  to open the latest photo in **Gallery**.

With the fold open, in **Gallery**, press  to switch between **Images & video** and thumbnail views.

With the fold closed, in **Camera**, press  to switch between **Image mode** and **Video mode**.

With the fold closed, in **Music player**, press  to switch between **Now playing** and **Music library**.

With the fold closed, in **Visual Radio**, press  to switch between channel and channel list views.

 **Tip!** To only see the wallpaper on the cover display, press the mode key twice in the standby mode.

Capture key

Press and hold  to activate the main camera in the fold-closed mode. Press  to take pictures. See 'Take pictures', p. 29.

In **Video mode**, press  to record video clips. See 'Record videos', p. 35.

Quick cover keys

Use the quick cover keys (, , and ) to control playback. See 'Music player', p. 21, and 'Visual Radio', p. 25.

Use the quick cover keys to lock the keypad with the fold closed. See 'Keypad lock (keyguard)', p. 18.

Press  to activate the active toolbar when using the camera in the fold-closed mode. See 'Active toolbar', p. 31.

Volume keys

To control the volume, see 'Volume and loudspeaker control', p. 18.

Use the volume keys to scroll up or down in a list in the fold-closed mode.

Use the volume keys to zoom in and out when using the camera. You can also use the volume keys to scroll through the active toolbar with the fold closed. See 'Active toolbar', p. 31.

Transfer content from another device



You can transfer content, such as contacts, from a compatible Nokia device to your Nokia N76 using Bluetooth connectivity. Your device notifies you if the other device is not compatible.

The type of content that can be transferred depends on the model of the device from which you want to transfer content. If the other device supports synchronization, you can also synchronize data between the other device and your Nokia N76.

If the other device cannot be powered on without a SIM card, you can insert your SIM card in it. When Nokia N76 is switched on without a SIM card, the offline profile is automatically activated.

Transfer content

- 1 To use the application for the first time, on your Nokia N76, select it in **Welcome**, or press , and

select **Tools > Transfer**. If you have used the application before and want to start a new transfer, select **Transfer data**.

- 2 To have Nokia N76 search for devices with Bluetooth connectivity, select **Continue**. Select the device from which you want to transfer content. On your Nokia N76, enter a code (1–16 digits), and select **OK**. Enter the same code on the other device, and select **OK**. The devices are now paired. See 'Pair devices', p. 60. For some phone models, the transfer application is sent to the other device as a message. To install **Data transfer** on the other device, open the message, and follow the instructions on the display.
- 3 From your Nokia N76, select the content you want to transfer from the other device. Content is transferred from the memory of the other device to the corresponding location in your Nokia N76. Transfer time depends on the amount of data to be transferred. You can cancel the transfer and continue later.

If the other device supports synchronization, you can keep the data up-to-date in both devices. To start a synchronization with a compatible Nokia device, select **Phones**, scroll to the device, and select **Options > Synchronise**. Follow the instructions on the display.

The synchronization is two-way. If an item is deleted in one device, it is deleted in both. You cannot restore deleted items with synchronization.

To view the log of a previous transfer, select [Transfer log](#).

Essential indicators

 The device is being used in a GSM network.

3G The device is being used in a UMTS network (network service).

 You have one or more unread messages in the [Inbox](#) folder in [Messaging](#).

 You have received new e-mail in the remote mailbox.

 There are messages waiting to be sent in the [Outbox](#) folder.

 You have missed calls.

 Shown if [Ringing type](#) is set to [Silent](#) and [Message alert tone](#), and [E-mail alert tone](#) are set to [Off](#).

 The device keypad is locked.

 A clock alarm is active.

2 The second phone line is being used (network service).

 All calls to the device are diverted to another number. If you have two phone lines (network service), a number indicates the active line.

 A compatible headset is connected to the device.  indicates the connection has been lost.

 A compatible loopset is connected to the device.

 A compatible [Text phone](#) is connected to the device.

D A data call is active.

 A GPRS packet data connection is active.  indicates the connection is on hold and  that a connection is available.

 A packet data connection is active in a part of the network that supports EGPRS.  indicates the connection is on hold and  that a connection is available. The icons indicate that EGPRS is available in the network, but your device is not necessarily using EGPRS in the data transfer.

3G  A UMTS packet data connection is active.  indicates the connection is on hold and  that a connection is available.

 Bluetooth connectivity is on.

 Data is being transmitted using Bluetooth connectivity. When the indicator is blinking, your device is trying to connect with another device.

 A USB connection is active.

Power saver LED

The display is switched off to save battery power after the screen saver is activated. A blue LED in the bottom of the cover display blinks to indicate that the device is powered on, but in the sleep mode.

To turn the sleep mode on or off, see 'Cover display', p. 99.

Volume and loudspeaker control

To increase or decrease the volume level when you have an active call or are listening to a sound, press the volume keys.

The built-in loudspeaker allows you to speak and listen from a short distance without having to hold the device to your ear.

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

To use the loudspeaker during a call, select **Options** > **Activate loudspeaker**.

To turn off the loudspeaker, select **Options** > **Activate handset**.

Keypad lock (keyguard)

To lock the keys with the fold closed, press , then . To unlock the keys, press , then .

To lock the keys with the fold open, press , then * . To unlock the keys, press , then * .

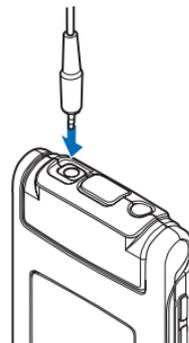
When the keypad lock is on, calls may be possible to the official emergency number programmed into your device.

Headset

You can connect a compatible headset or compatible headphones to the Nokia AV Connector (3.5 mm) of your device. You may need to select the cable mode.

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.

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.



 **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.

To use a headset or headphones with a compatible remote control unit, for example, the Nokia Audio Controller AD-43, connect the unit to the connector in the device, then to the headset or headphones to the unit.

Some headsets do not include a microphone. For phone calls, use such a headset with a remote control unit or the microphone of the device.

When using certain headset enhancements, for example the Nokia Audio Controller AD-43, to adjust the volume during a call, use the volume key in the device. The Nokia Audio Controller AD-43 has multimedia volume controls that are used to adjust the volume only for music or video playback.

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.



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

Memory card tool



Press , and select **Tools** > **Memory**.

To back up information from the device memory to a compatible memory card (if available), select **Options** > **Back up phone memory**. The device notifies you if the memory card does not have enough free space to create a back-up.

To restore information from the compatible memory card to the device memory, select **Options** > **Restore from card**.

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

To format a memory card, select **Options** > **Format memory card**. Select **Yes** to confirm.

File manager



To browse files and folders in the device memory or on a compatible memory card (if inserted), press , and select **Tools** > **File mgr.**. The device memory view ()

opens. Press  to open the memory card view () , if available.

To mark several files, press and hold  while you press , , or . To move or copy the files to a folder, select **Options** > **Move to folder** or **Copy to folder**.

To find a file, select **Options** > **Find** and the memory from which to search. Enter a search text that matches the file name.

To view what types of data you have in the device and how much memory the different data types consume, select **Options** > **Memory details**. The amount of available free memory is shown in **Free memory**.

Memory low—free memory

Many features of the device use memory to store data. The device notifies you if the device or the memory card memory is low.

To free device memory, transfer data to a compatible memory card (if available) or to a compatible PC.

To remove data to free memory, use **File manager** to delete files you no longer need, or go to the respective application. For example, you can remove the following:

- Messages in the folders in **Messaging** and retrieved e-mail messages from the mailbox
- Saved web pages

- Contact information
- Calendar notes
- Applications shown in **App. manager** that you do not need
- Installation files (.sis) of applications you have installed to a compatible memory card; first back up the installation files to a compatible PC

Media applications

Music player

Music player supports file formats such as AAC, eAAC, eAAC+, MP3, and WMA. Music player does not necessarily support all features of a file format or all the variations of file formats.

 **Warning:** Listen to music at a moderate level.

Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

You can listen to music with the fold open or closed. If you are listening to music when a call comes in, the music pauses when you answer the call and resumes shortly after the end of the call.

For how to add songs to your device, see 'Transfer music', p. 23.

For more information about copyright protection, see 'Digital rights management', p. 95.

Play music

To play music with the fold open, do the following:

- 1 Press  and select **Music player**.
- 2 In **Music menu**, select a category such as **All songs** or **Albums**.
- 3 Select the music you want to play.

In **Now playing**, use the scroll key and the middle selection key to control playback

- Press  to play or pause a song.
- Press  to rewind the track or to skip backwards.
- Press  to fast forward the track or to skip forward.
- Press  to stop playback.

To play music with the fold closed, do the following:

- 1 In standby mode, press  to enter **Music menu**.
- 2 Select the music you want to play, and press .

In **Now playing**, use the quick cover keys to control playback:

- Press  to play or pause a song.
When you pause a song, a list of the tracks you are currently listening to is displayed.
- Press  to rewind the track or to skip backwards.
- Press  to fast forward the track or to skip forward.
- To switch between **Now playing** and **Music menu**, press .

Music menu

To select more music to play in **Now playing** when the fold is open, select **Options** > **Go to Music menu**.

The music menu shows the music available in the device and compatible memory card (if inserted). **All songs** lists all music. To view sorted songs, select **Albums**, **Artists**, **Genres**, or **Composers**. To view playlists, select **Track lists**.

To refresh the library after you have updated the song selection in your device, select **Options** > **Refresh Music library**.

To open the view that displays the currently playing song, press and hold .

To switch between **Now playing** and **Music menu** when the fold is closed, press . Use the quick cover and volume keys to select more music to play. Select **Options** to modify the basic play settings.

Playlists

To view and manage playlists, in the music menu, select **Track lists**. The following playlists appear automatically: **Most played tracks**, **Recent tracks**, and **Recent additions**.

To view details of the playlist, select **Options** > **Track list details**.

Create a playlist

- 1 Select **Options** > **Create playlist**.
- 2 Enter a name for the playlist, and select **OK**.
- 3 Select artists to find the songs you want to include in the playlist. Press  to add items. To show the song list under an artist title, press . To hide the song list, press .
- 4 When you have made your selections, select **Done**. If a compatible memory card is inserted, the playlist is saved to the memory card.

To add more songs later, when viewing the playlist, select **Options** > **Add songs**.

To add songs, albums, artists, genres, and composers to a playlist from the different views of the music menu, select an item and **Options** > **Add to track list** > **Saved track list** or **New track list**.

To remove a song from a playlist, select **Options** > **Remove from track list**. This deletion does not delete the song from the device; it only removes it from the playlist.

To reorder songs in a playlist, scroll to the song you want to move, and select **Options** > **Reorder list**. To grab songs and drop them to a new position, use the scroll key.

Music shop

In the music shop (network service) you can search, browse, and purchase music for downloading to your device. The variety, availability, and appearance of music shop services may vary.

You must have music shop settings and valid internet connections in order to use this service. For more details, see 'Music shop settings', p. 23 and 'Access points', p.106.

Go to music shop

- 1 In the **Music menu**, select **Options > Go to Music shop**.
- 2 Select from the displayed options to search, browse, or select ringing tones.

Music shop settings

The availability and appearance of the music shop settings may vary. The settings may also be predefined and not editable.

If the settings are not predefined, you may be asked to enter the following settings:

Address—You must define the web address of the music shop service.

Default acc. pt.—Select the access point to use when connecting to the music shop.

User name—Enter your user name for the music shop.

Password—Enter your password for the music shop.

If **User name** and **Password** fields are left empty, you may have to enter them at login.

In the music shop, you may be able to edit the settings by selecting **Options > Settings**.

Transfer music

You can transfer music from a compatible PC or other compatible devices using a compatible USB cable or Bluetooth connectivity. For details, see 'Bluetooth connectivity', p. 58.

To refresh the library after you have updated the song selection in your device, in the **Music menu**, select **Options > Refresh Music library**

The requirements of the PC for music transfer:

- Microsoft Windows XP operating system (or later)
- A compatible version of Windows Media Player application. You can get more detailed information about Windows Media Player compatibility from the Nokia N76 section of the Nokia website.
- Nokia Nseries PC Suite

Transfer music from PC

You can use three different methods to transfer music:

- To view your device on a compatible PC as an external hard drive where you can transfer any data files, make the connection with a compatible USB cable or Bluetooth connectivity. If you are using the USB cable, select **Data transfer** as the connection mode. A compatible memory card needs to be inserted in the device.
- To synchronize music with Windows Media Player, connect the compatible USB cable and select **Media player** as the connection mode. A compatible memory card needs to be inserted in the device.
- To use Nokia Music Manager in Nokia Nseries PC Suite, connect the compatible USB cable and select **PC Suite** as the connection mode.

To change the default USB connection mode, press  , select **Tools > USB > USB mode**.

Both Windows Media Player and Nokia Music Manager in Nokia Nseries PC Suite have been optimized for transferring music files. For information about transferring music with Nokia Music Manager, see the Nokia Nseries PC Suite user guide.

Music transfer with Windows Media Player

The functionality of the music synchronization may vary between different versions of the Windows Media Player application. For more information, see the corresponding Windows Media Player guides and helps.

Manual synchronization

After connecting your device with a compatible PC, Windows Media Player selects manual synchronization if there is not enough free memory in your device. With manual synchronization, you can select the songs and playlists that you want to move, copy, or remove.

The first time you connect your device you must enter a name that is used as the name of your device in Windows Media Player.

To transfer manual selections:

- 1 After your device is connected with Windows Media Player, select your device in the navigation pane, if more than one device is connected.
- 2 Drag the songs or albums to the list pane for synchronization. To remove songs or albums, select an item in the list, and click **Remove from list**.
- 3 Check that the list pane contains the files you want to synchronize and that there is enough free memory on the device. Click **Start Sync**. to start the synchronization.

Automatic synchronization

To change the default file transfer option in Windows Media Player, click the arrow under **Sync**, select your device, and click **Set up Sync**. Clear or select the **Sync this device automatically** check box.

If the **Sync this device automatically** check box is selected and you connect your device, the music library in your device is automatically updated based on playlists you have selected in Windows Media Player.

If no playlists have been selected, the whole PC music library is selected for synchronization. Note that your PC library may contain more files that can fit to the device memory and the compatible memory card of your device. See the Windows Media Player help for more information.

The playlists on your device are not synchronized with the Windows Media Player playlists.

Visual Radio

Press , and select **Applications > Radio**. You can use the application as a traditional FM radio with automatic tuning and saved stations, or with parallel visual information related to the radio program on the display, if you tune to stations that offer Visual Radio service. The Visual Radio service uses packet data (network service). You can listen to the FM radio while using other applications.

If you do not have access to the Visual Radio service, the operators and radio stations in your area may not support Visual Radio.

You can normally make a call or answer an incoming call while listening to the radio. The radio is muted when there is an active call.

If you start music player when the radio is on, the radio is muted. When music playback is paused or stopped, the radio starts to play again.

When the fold is closed, use the quick cover keys and the volume and mode keys to control the FM radio.

Listen to the radio

Note that the quality of the radio broadcast depends on the coverage of the radio station in that particular area.

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

Press , and select **Applications > Radio**. To start a station search, select  or , or press and hold the quick cover keys  or . To change the frequency manually, select **Options > Manual tuning**.

If you have previously saved radio stations, to go to the next or previous saved station, select  or , or press the quick cover keys  or .

To adjust the volume, press the volume keys.

To listen to the radio using the loudspeaker, select **Options > Activate loudspeaker**.



Warning: Listen to music at a moderate level.

Continuous exposure to high volume may damage your hearing. Do not hold the device near your ear when the loudspeaker is in use, because the volume may be extremely loud.

To view available stations based on location, select **Options > Station directory** (network service).

To save the current tuned station to your station list, select **Options > Save station**. To open the list of your saved stations, select **Options > Stations**.

To return to the standby mode and leave the FM radio playing in the background, select **Options > Play in background**.

View visual content

To check availability and costs, and to subscribe to the service, contact your service provider.

To view available visual content for a tuned station, select **Options > Start visual service**. If the visual service ID has not been saved for the station, enter it, or select **Retrieve** to search for it in the station directory (network service).

When the connection to the visual service is established, the display shows the current visual content.

Saved stations

To open the list of your saved stations when the fold is open, select **Options > Stations**.

To listen to a saved station, select **Options > Station > Listen**. To view available visual content for a station with Visual Radio service, select **Options > Station > Start visual service**.

To switch between the list of your saved stations and listening to a saved station when the fold is closed, press .

To change station details, select **Options > Station > Edit**.



Tip! You can add shortcuts to saved stations in the multimedia menu. See 'Multimedia key', p. 14.

Settings

Select **Options > Settings** and from the following:

Start-up tone—Select whether a tone is played when the application is started.

Auto-start service—Select **Yes** to have the Visual Radio service start automatically when you select a saved station that offers Visual Radio service.

Access point—Select the access point used for the data connection. You do not need an access point to use the application as an ordinary FM radio.

Current region—Select the region you are currently located in. This setting is displayed only if there was no network coverage when the application was started.

RealPlayer

Press , and select **Applications > RealPlayer**. With **RealPlayer**, you can play video clips, or stream media files over the air without saving them to the device first.

RealPlayer supports files with extensions such as .3gp, .mp4 or .rm. However, **RealPlayer** does not necessarily support all file formats or all the variations of file formats.

In landscape view, use the quick cover keys to control the player.

Play video clips

- 1 To play a saved media file, select **Options > Open** and from the following:
 - Most recent clips**—to play one of the last six files played in **RealPlayer**
 - Saved clip**—to play a file saved in **Gallery**.
- 2 Scroll to a file, and press  to play the file.

To adjust the volume, use the volume keys.

Stream content over the air

Many service providers require you to use an internet access point (IAP) for your default access point. Other service providers allow you to use a WAP access point.

In **RealPlayer**, you can only open an `rtsp://` URL address. However, **RealPlayer** recognizes an `http` link to a .ram file.

To stream content over the air, select a streaming link saved in **Gallery**, on a web page, or received in a text message or multimedia message. Before live content begins streaming, your device connects to the site and starts loading the content. The content is not saved in your device.

RealPlayer settings

You may receive **RealPlayer** settings in a special message from the service provider. See 'Data and settings', p. 70. For more information, contact your service provider.

Select **Options > Settings** and from the following:

Video—to have **RealPlayer** automatically repeat video clips after they finish playing

Streaming—to select whether to use a proxy server, change the default access point, and set the port range used when connecting. Contact your service provider for the correct settings.

Adobe Flash Player



To view, play, and interact with compatible flash files made for mobile devices, press , and select [Applications](#) > [Flash Player](#). Scroll to a flash file, and press .

Nokia Lifeblog



To start Lifeblog on your device, press , and select [Lifeblog](#).

Nokia Lifeblog is a combination of software for mobile phone and PC that keeps a multimedia diary of the items that you collect with your device. Nokia Lifeblog automatically keeps track of your multimedia items and organizes your photos, videos, sounds, text messages, multimedia messages, and weblog posts into a chronology that you can browse, search, share, publish, and back up.

For more information on Nokia Lifeblog, see the guides for your device at www.nokia.com/support or your local Nokia website.

Camera

Your device has two cameras, a high-resolution camera on the back of the device (the main camera in landscape mode) and a lower resolution camera on the upper right corner of the main display (the secondary camera in portrait mode). You can use both cameras to take still pictures and record videos.

Your device supports an image capture resolution of 1600x1200 pixels using the main camera. The image resolution in this guide may appear different.

The images and video clips are automatically saved in the **Images & video** folder in **Gallery**. The cameras produce .jpeg images. Video clips are recorded in the MPEG-4 file format with the .mp4 file extension, or in the 3GPP file format with the .3gp file extension (**sharing** quality). See 'Video settings', p. 37.

You can send images and video clips in a multimedia message, as an e-mail attachment, or by using Bluetooth connectivity. You can also upload them to your compatible online album. See 'Online sharing', p. 42.

Take pictures

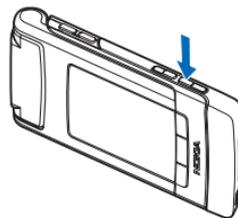
When taking a picture, note the following:

- Use both hands to keep the camera still.
- The quality of a digitally zoomed picture is lower than that of a nonzoomed picture.
- The camera goes into the battery saving mode if there are no keypresses for a moment. To continue taking pictures, press .

Fold-closed mode

To take a picture using the cover display as the viewfinder, do the following:

- 1 To activate the main camera, press and hold . If the camera is in **Video mode**, press .
- 2 To take a picture, press . Do not move the device before the image is saved.



Fold-open mode

To take a picture using the main display as the viewfinder, do the following:

- 1 Open the fold.

- To activate the main camera, press . If the camera is in **Video mode**, select **Switch to Image mode** from the active toolbar.
- To take a picture, press . Do not move the device before the image is saved.

To zoom in or out, use the volume keys in your device.

To make lighting and color adjustments before taking a picture, in the main display, press or to scroll to items on the active toolbar. In the cover display, press to activate the toolbar, and volume keys to scroll to items. See 'Setup settings—color and lighting', p. 33 and 'Scenes', p. 34.

To free memory before taking a picture, select **Options** > **Go to free memory** in the main display (only available if you have backed up images or video clips using Nokia Nseries PC Suite). See 'Free memory', p. 40.

To activate the front camera, select **Options** > **Use secondary camera**.

To leave the camera open in the background, and use other applications, press . To return to the camera, press the capture key.

Still image camera indicators

The still image camera viewfinder (main display) displays the following:

- The current capture mode indicator.
- The active toolbar, which you can scroll through before capturing the image to select different items and settings (the active toolbar is not displayed during image capture). See 'Active toolbar', p. 31.
- The image resolution indicator indicates whether the quality of the image is **Print 2M – Large**, **Print 1M – Small**, or **MMS 0.3M – Small**.
- The image counter displays the estimated number of images you can capture using the current image quality setting and memory in use (the counter is not displayed during image capture).
- The device memory () and memory card () indicators show where images are saved.



Active toolbar

Active toolbar provides you with shortcuts to different items and settings before and after taking a picture or recording a video.

If you are using the cover display as a viewfinder, press   to display the active toolbar. Use the volume keys to scroll to the item you want. To select it, press  .

If you are using the main display as a viewfinder, scroll to the item you want. To select it, press .

The available options vary depending on the capture mode. You can also define whether the active toolbar is always visible on the display or activated by a key press.

If you want the active toolbar to be visible before and after taking a picture or recording a video, select [Options](#) > [Show icons](#). To view the active toolbar only when you need it, select [Options](#) > [Hide icons](#). Only the capture mode indicator is shown on the display. To activate the toolbar, press . The toolbar is visible for 5 seconds.

Before taking a picture or recording a video, in the active toolbar, select from the following:

-  to switch between the video and image modes
-  to select the scene
-  to select the flash mode (images only)

 to activate the self-timer (images only). See 'You in the picture—self-timer', p. 35.

 to activate the sequence mode (images only). See 'Take pictures in a sequence', p. 34.

 to select a color effect

 to adjust white balance

 to adjust the exposure compensation (images only)

 to adjust light sensitivity (images only)

The icons change to reflect the current status of the setting.

The available options vary depending on the capture mode and view you are in.

See also active toolbar options in 'After taking a picture', p. 31, 'After recording a video', p. 36, and 'Active toolbar', p. 39 in [Gallery](#).

After taking a picture

After you take a picture, there are several things you can do with the image using the active toolbar in the main display (available only if [Show captured image](#) is set to [On](#) in the still image camera settings).

- If you do not want to keep the image, select [Delete](#).

- To send the image using multimedia, e-mail, Bluetooth connectivity, or upload it to your online album, press the call key, or select **Send**. For more information, see 'Messaging', p. 67, 'Bluetooth connectivity', p. 58, and 'Online sharing', p. 42. This option is not available during an active call. You can also send the image to a call recipient during an active call. Select **Send to caller** (only available during an active call).
- To tag images to the Print basket for later printing, select **Add to Print Basket**.
- To print the picture, select **Print**. See 'Image print', p. 41.
- To return to the viewfinder to capture a new image, press , or select **Back**.

To use the picture as wallpaper in the active standby, select **Options > Set as wallpaper**.

To set the image as a call image for a contact, select **Set as contact call image**.

Still image camera settings

There are two kinds of settings for the still image camera: **Image setup** and main settings. To adjust **Image setup**, see 'Setup settings—color and lighting', p. 33. The setup settings return to the default settings after you close the camera, but the main settings remain the same until you

change them again. To change the main settings, select **Options > Settings** and from the following:

Image quality— **Print 2M – Large** (1600x1200 resolution), **Print 1M – Small** (1152x864 resolution) or **MMS 0.3M – Small** (640x480 resolution) If you want to print the image, select **Print 2M – Large**. If you want to send it through e-mail, select **Print 1M – Small**. To send the image through MMS, select **MMS 0.3M – Small**.

These resolutions are only available in the main camera. In the secondary camera, the resolution is always **MMS 0.3M – Small**.

Add to album—Select whether you want to save the image to a certain album in the gallery. If you select **Yes**, a list of available albums opens.

Show captured image—Select **Yes** if you want to see the captured image after it is taken, or **No** if you want to continue taking pictures immediately.

Default image name—Define the default name for the captured images.

Extended digital zoom (main camera only)—Select **On** to allow the zoom increments to be smooth and continuous between digital and extended digital zoom. If you want to limit the zoom to where the selected image quality is maintained, select **Off**.

Capture tone—Select the tone you want to hear when you take a picture.

Memory in use—Select where to store your images.

Rotate image - Select whether you want the image to be rotated the right way up when you open it in the gallery.

Restore camera settings—Select **Yes** to return the default values to the camera settings.

Flash

The flash is available only in the main camera.

Keep a safe distance when using the flash. Do not use the flash on people or animals at close range. Do not cover the flash while taking a picture.

The camera has an LED flash for low light conditions. The following flash modes are available for the still image camera: **Automatic** () , **On** () , **R. eye redu.** () , and **Off** () .

To change the flash mode, in the active toolbar, select the desired flash mode.

Setup settings—color and lighting

To enable the camera to reproduce colors and lighting more accurately, or to add effects to your pictures or

videos, use the scroll key to scroll through the active toolbar, and select from the following options:

White balance—Select the current lighting condition from the list. This allows the camera to reproduce colors more accurately.

Exposure compensation (images only)—Adjust the exposure time of the camera.

Flash—Select the desired flash mode. See 'Flash', p. 33.

Colour tone—Select a color effect from the list.

Light sensitivity (images only)—Select the light sensitivity of the camera. The darker the environment, the higher the light sensitivity should be.

The screen display changes to match any settings you make, so that you see how the change affects the pictures or videos.

The available settings vary depending on the selected camera.

The setup settings are camera specific; if you change the settings in the secondary camera, the settings in the main camera do not change. The setup settings do, however, transfer between the image and video modes. The setup settings return to the default settings when you close the camera.

If you select a new scene, the color and lighting settings are replaced by the selected scene. See 'Scenes', p. 34. You can change the setup settings after selecting a scene if needed.

Scenes

A scene helps you to find the right color and lighting settings for the current environment. The settings of each scene have been set according to a certain style or environment.

Scenes are only available in the main camera.

In the active toolbar, select from the following options:

Video scenes

Automatic (A) (default) and **Night** (☾)

Image scenes

Auto (A) (default), **User defined** (👤), **Portrait** (👤), **Landscape** (🌄), **Night** (☾), and **Night portrait** (👤).

When you take pictures, the default scene is **Auto**.

To make your own scene suitable for a certain environment, in the main display, scroll to **User defined**, and select **Options > Change**. In the user defined scene you can adjust different lighting and color settings. To copy the settings of another scene, select **Based on scene mode** and the desired scene. In the cover display, select

Settings > User scene > Change. To copy the settings of another scene, select **Based on scene**.

Take pictures in a sequence

The sequence mode is available only in the main camera.

To set the camera to take six pictures or more in a sequence (if enough memory available), in the active toolbar, select **Switch to sequence mode** to take six pictures in quick succession. The number of pictures taken depends on the available memory.

To take six pictures, press the capture key. To stop taking pictures, press **Cancel**. To take more than six pictures, press and hold the capture key. To stop taking pictures, release the capture key. You can capture up to 100 images, depending on the available memory.

After you take the pictures, they are shown in a grid on the display. To view a picture, press  to open it. If you used a time period for taking pictures, the last taken picture is shown on the display. To view other pictures, press .

You can also use the sequence mode with the self-timer. When using the self-timer, the maximum number of pictures is six.

To return to the sequence mode viewfinder, press the capture key.

You in the picture—self-timer

The self-timer is available only in the main camera.

Use the self-timer to delay the capture so that you can include yourself in the picture. To set the self-timer delay, in the active toolbar, select **Self timer > 2 seconds**, **10 seconds**, or **20 seconds**. To activate the self-timer, select **Activate**. The self-timer indicator () blinks and the device beeps when the timer is running. The camera takes the picture after the selected delay elapses.

To switch off **Self timer**, in the active toolbar, select **Self timer > Off**.

 **Tip!** In the active toolbar, select **Self timer > 2 seconds** to keep your hand steady when taking a picture.

Record videos

To record videos using the cover display as the viewfinder (fold closed), do the following:

- 1 If the camera is in the **Image mode**, press  to switch to **Video mode**.
- 2 Press  to start recording. The red record icon  is shown and a tone sounds, indicating that recording has started.

- 3 To stop recording, press  or select **Stop**. The video clip is automatically saved to the **Images & video** folder in **Gallery**. See 'Gallery', p. 38. The maximum length of the video is 60 minutes (if enough memory available).

To record videos using the main display as the viewfinder (fold open), do the following:

- 1 If the camera is in the **Image mode**, select **Switch to video mode** from the active toolbar.
- 2 To start recording, press . The red record icon  is shown and a tone sounds, indicating that recording has started.
- 3 To stop recording, press  or select **Stop**. The video clip is automatically saved to **Images & video** in **Gallery**. See 'Images and video clips' p. 38. The maximum length of the video is 60 minutes (if enough memory available).

To pause recording at any time, select **Pause**. The pause icon () blinks on the display. Video recording automatically stops if recording is set to pause and there are no keypresses within a minute. Select **Continue** to resume recording.

To zoom in or out of the subject, press the volume keys on the side of the device.

To make lighting and color adjustments before recording a video, use the scroll key to scroll through the active

toolbar. See 'Setup settings—color and lighting', p. 33 and 'Scenes', p. 34.

To free memory before recording a video, select **Options > Go to free memory** (only available if you have backed up images or video clips). See 'Free memory', p. 40.

To activate the front camera, select **Options > Use secondary camera**.

Video capture indicators

The video viewfinder displays the following:

- 1 The current capture mode indicator.
- 2 The audio mute on indicator.
- 3 The active toolbar, which you can scroll through before recording to select different items and settings (the toolbar is not displayed during recording). See 'Active toolbar', p. 31.
- 4 The total available video recording time. When you are recording, the current video length indicator also shows the elapsed time and time remaining.



- 5 The device memory (📁) and memory card (📁) indicators show where videos are saved.
- 6 The video quality indicator indicates whether the quality of the video is **High**, **Normal**, or **Sharing**.
- 7 The video clip file type.

To display all viewfinder indicators, select **Options > Show icons**. Select **Hide icons** to display only the video status indicators, and during the recording, the available record time, zoom bar when zooming, and the selection keys.

After recording a video

After you record a video clip, select the following from the active toolbar in the main display (available only if **Show captured video** is set to **On** in video settings):

- To immediately play the video clip you just recorded, select **Play**.
- If you do not want to keep the video, select **Delete**.
- To send the video clip using multimedia, e-mail, Bluetooth connectivity, or upload it to your online album, press the call key, or select **Send**. For more information, see 'Messaging', p. 67, 'Bluetooth connectivity', p. 58, and 'Online sharing', p. 42. This option is not available during an active call. You may not be able to send video clips saved in the .mp4 file format in a multimedia message. You can also send the video clip to a call recipient during an active call. Select **Send to caller**.

- To record a new video clip, select **New video**.

Video settings

There are two kinds of settings for the video recorder: **Video setup** and main settings. To adjust **Video setup** settings, see 'Setup settings—color and lighting', p. 33. The setup settings return to the default settings after you close the camera, but the main settings remain the same until you change them again. To change the main settings, select **Options > Settings** and from the following:

Video quality—Set the quality of the video clip to **High** (best quality for long term usage and playback on a compatible TV or PC and handset), **Normal** (standard quality for playback through your handset), or **Sharing** (limited video clip size to send using multimedia message). If you want to view the video on a compatible TV or PC, select **High**, which has QVGA resolution (320x240) and the .mp4 file format. To send the video clip through MMS, select **Sharing** (QCIF resolution, .3gp file format). The size of the video clip recorded with **Sharing** is limited to 300 KB (about 20 seconds in duration) so that it can be conveniently sent as a multimedia message to a compatible device.

Audio recording—Select **Off** if you do not want to record sound.

Add to album—Select whether you want to add the recorded video clip to a certain album in **Gallery**. Select **Yes** to open a list of available albums.

Show captured video—Select whether you want the first frame of the recorded video clip to be shown on the display after the recording stops. Select **Play** from the active toolbar (main camera) or **Options > Play** (secondary camera) to view the video clip.

Default video name—Define the default name for the captured video clips.

Memory in use—Define the default memory store: device memory or memory card (if inserted).

Restore camera settings—Select **Yes** to return the default values to the camera settings.

Gallery

To store and organize your images, video clips, sound clips, and streaming links, press , and select **Gallery**.

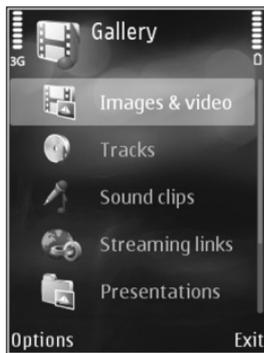
 **Tip!** If you are in another application, to view the last saved picture in **Gallery**, press . To enter the **Images & video** folder main view, press  again.

View and browse files

Select **Images & video** , **Tracks** , **Sound clips** , **Streaming links** , **Presentations** , or **All files** , and press  to open it..

You can browse and open folders; and mark, copy, and move items to folders. You can also create albums; and mark, copy, and add items to albums. See 'Albums', p. 40.

Files stored on your compatible memory card (if inserted) are indicated with .



To open a file, press . Video clips, .ram files, and streaming links are opened and played in **RealPlayer**, and music and sound clips in **Music player**. See 'RealPlayer', p. 27, and 'Music player', p. 21.

To copy or move files to the memory card (if inserted) or to device memory, select a file and **Options > Move and copy > Copy to memory card** or **Move to memory card**, or **Copy to phone mem.** or **Move to phone mem.**

To download sound clips into **Gallery** using the browser, in the **Sound clips** folders, select **Downld. sounds**.

Images and video clips

Pictures taken and video clips recorded with the camera are stored in the **Images & video** folder in **Gallery**. Images and video clips can also be sent to you in a multimedia message, as an e-mail attachment, or through Bluetooth connectivity. To be able to view a received image or video clip in **Gallery** or in a media player, you must save it in the device memory or on a compatible memory card (if inserted).

Select **Gallery > Images & video**. The images and video clip files are in a loop, and ordered by date and time. The number of files is displayed. To browse the files one by one,

press  or . To browse files in groups, press  or . To switch between landscape and portrait modes, select **Options > Rotate display**. The content in the **Images & video** folder is shown in the selected mode.

When the image is opened, to zoom in an image, press the zoom keys on the side of your device. The zooming ratio is not stored permanently.

To rotate the selected image left or right, select **Options > Rotate > Left** or **Right**.

To print your images on a compatible printer or to store them on a compatible memory card (if inserted) for printing, select **Options > Print**. See 'Image print', p. 41. You can also tag images for later printing to the Print Basket in **Gallery**. See 'Print Basket', p. 40.

To edit a video clip or a photo, select **Options > Edit**. An image editor or a video editor opens. See 'Edit video clips', p. 43. See 'Edit images', p. 42.

To create custom video clips, select a video clip or several clips in the gallery, and select **Options > Edit**. See 'Edit video clips', p. 43.

To add an image or a video clip to an album in the gallery, select **Options > Albums > Add to album**. See 'Albums', p. 40.

To use the picture as a background image, select the picture and **Options > Use image > Set as wallpaper**.

To delete an image or video clip, from the active toolbar, select **Delete**. See 'Active toolbar', p. 39.

To switch from **Gallery** to the camera, press .

Active toolbar

In the **Images & video** folder, you can use active toolbar as a shortcut to select different tasks. The active toolbar is available only when you have selected an image or a video clip.

In the active toolbar, scroll up or down to different items, and select them by pressing . The available options vary depending on the view you are in and whether you have selected an image or a video clip. You can also define whether the active toolbar is always visible on the display or activated by a keypress.

If you want the active toolbar to be visible on the display, select **Options > Show icons**.

If you want the active toolbar to be visible only when you need it, select **Options > Hide icons**. To activate the active toolbar, press .

Select from the following:

 to play the selected video clip

 to send the selected image or video clip

 /  to add or remove an image from the Print Basket. See 'Print Basket', p. 40.

 to view the images in the Print Basket

 to start a slide show of your images

 to delete the selected image or video clip

 to print the viewed image

 to reduce the resolution of the selected image to free memory for new images. See 'Free memory', p. 40.

The available options may vary depending on the view you are in.

Print Basket

You can tag images to the Print Basket, and print them later with a compatible printer or in a compatible printing kiosk, if available. See 'Image print', p. 41. The tagged images are indicated with  in the [Images & video](#) folder and albums.

To tag an image for later printing, select an image, and [Add to Print Basket](#) from the active toolbar.

To view the images in the Print Basket, select [View Print Basket](#) from the active toolbar, or select  from the [Images & video](#) folder (available only when you have added pictures to the Print Basket).

To remove an image from the Print Basket, select an image in the [Images & video](#) folder or in an album, and [Remove from print](#) from the active toolbar.

Albums

With albums you can conveniently manage your images and video clips. To view the albums list, select [Images & video](#) > [Options](#) > [Albums](#) > [View albums](#).

To add a picture or a video clip to an album in the gallery, scroll to a picture or video clip, and select [Options](#) > [Albums](#) > [Add to album](#). A list of albums opens. Select the album to which you want to add the picture or video clip. The added pictures and video clips are not deleted from the [Images & video](#) folder.

To remove a file from an album, press **C**. The file is not deleted from the [Images & video](#) folder in [Gallery](#).

To create a new album, in the albums list view, select [Options](#) > [New album](#).

Free memory

To reduce the resolution and file size of images saved in [Gallery](#) and free memory for new pictures, select [Options](#) > [Shrink](#). To back up the images first, copy them

to a compatible PC or other location. Selecting **Shrink** reduces the resolution of an image to 640x480.

To increase free memory space after you have copied items to other locations or devices, select **Options > Free memory**. You can browse a list of files you have copied. To remove a copied file from **Gallery**, select **Options > Delete**.

Image print

To print images with **Image print**, select the image you want to print, and the print option in the gallery, camera, image editor, or image viewer.

Use **Image print** to print your images using a compatible USB data cable, Bluetooth connectivity, or a compatible memory card (if available).

You can only print images that are in .jpeg format. The pictures taken with the camera are automatically saved in .jpeg format.

To print to a printer compatible with PictBridge, connect the data cable before you select the print option, and check that the data cable mode is set to **Image print** or **Ask on connection**. See 'USB', p. 61.

Printer selection

When you use **Image print** for the first time, a list of available compatible printers is displayed after you select the image. Select a printer. The printer is set as the default printer.

If you have connected a printer compatible with PictBridge using a compatible USB data cable, the printer is automatically displayed.

If the default printer is not available, a list of available printing devices is displayed.

To change the default printer, select **Options > Settings > Default printer**.

Print preview

After you select the printer, the selected images are displayed using predefined layouts. To change the layout, press  or  to browse through the available layouts for the selected printer. If the images do not fit on a single page, press  or  to display the additional pages.

Print settings

The available options vary depending on the capabilities of the printing device you selected.

To set a default printer, select **Options > Default printer**.

To select the paper size, select **Paper size**, the size of paper from the list, and **OK**. Select **Cancel** to return to the previous view.

Print online

With **Print online**, you can order prints of images online directly to your home, or to a store where you can pick them up. The available products depend on the service provider.

To use **Print online**, you must have at least one printing service configuration file installed. The files can be obtained from printing service providers that support **Print online**.

For more information on the application, see the guides for your device at www.nokia.com/support or your local Nokia website.

Online sharing

With **Online share**, you can share images and video clips in compatible online albums, weblogs, or in other online sharing services on the web. You can upload content, save unfinished posts as drafts and continue later, and view the content of the albums. The supported content types may vary depending on the service provider.

To use **Online share**, you must subscribe to the service with an online image sharing service provider, and create a new account. You can usually subscribe to the service on the web page of the service provider. Contact your service provider for details on subscribing to the service. For more information on compatible service providers, see the product support pages at www.nokia.com/support or your local Nokia website.

For more information on the application, see the guides for your device at www.nokia.com/support or your local Nokia website.

Edit images

To edit the pictures after taking them, or the ones already saved in **Gallery**, select **Options** > **Edit**.

Select **Options** > **Apply effect** to open a grid where you can select different edit options indicated by small icons. You can crop and rotate the image; adjust the brightness, color, contrast, and resolution; and add effects, text, clip art, or a frame to the picture.

Crop image

To crop an image, select **Options** > **Apply effect** > **Crop**. To crop the image size manually, select **Manual** or a predefined aspect ratio from the list. If you select **Manual**,

a cross appears in the upper left corner of the image. Use the scroll key to select the area to crop, and select **Set**. Another cross appears in the lower right corner. Again select the area to be cropped. To adjust the first selected area, select **Back**. The selected areas form a rectangle that forms the cropped image.

If you selected a predefined aspect ratio, select the upper left corner of the area to be cropped. To resize the highlighted area, use the scroll key. To freeze the selected area, press . To move the area within the picture, use the scroll key. To select the area to be cropped, press .

Reduce redness

To reduce redness of the eyes in an image, select **Options > Apply effect > Red eye reduction**. Move the cross onto the eye, and press . A loop appears on the display. To resize the loop to fit the size of the eye, use the scroll key. To reduce the redness, press .

Useful shortcuts

Shortcuts in the image editor:

- To view an image in the full screen, press *****. To return to the normal view, press ***** again.
- To rotate an image clockwise or counterclockwise, press **3** or **1**.
- To zoom in or out, press **5** or **0**.

- To move on a zoomed image, press , , , or .

Edit video clips

To edit video clips in **Gallery** and create custom video clips, scroll to a video clip, and select **Options > Edit**.

The video editor supports .3gp and .mp4 video file formats, and .aac, .amr, .mp3, and .wav audio file formats.

You can use **Movie director** to create custom video clips. Select the video clips and images you want to create a muvee with and select **Options > Edit > Create muvee**. See 'Movie director', p. 44.

 **Tip!** If you want to send a video clip that is over the maximum multimedia message size allowed by your service provider, send the clip using Bluetooth wireless technology. See 'Send data using Bluetooth connectivity', p. 59. You can also transfer your videos to a compatible PC using Bluetooth connectivity, a compatible USB cable, or by using a compatible memory card reader enhancement.

Slide show

In the active toolbar, select **Slide show** () to view a slide show of images in full screen. The slide show starts from the selected file. Select from the following:

Pause—to pause the slide show

Continue—to resume the slide show, if paused

End—to close the slide show

To browse the images, press  (previous) or  (next) (available only when **Zoom and pan** is off).

To adjust the tempo of the slide show, before starting the slide show, select **Options** > **Slide show** > **Settings** > **Delay between slides**.

To make the slide show move smoothly from one slide to another, and let the gallery randomly zoom in and out in the images, select **Zoom and pan**.

To add sound to the slide show, select **Options** > **Slide show** > **Settings** > **Music** or **Track**.

To decrease or increase the volume, use the volume keys in your device.

Presentations

With presentations, you can view SVG (scalable vector graphics) files, such as cartoons and maps. SVG images maintain their appearance when printed or viewed with different screen sizes and resolutions. To view SVG files, select **Presentations**, scroll to an image, and select **Options** > **Play**. To pause playing, select **Options** > **Pause**.

To zoom in, press **5**. To zoom out, press **0**.

To rotate the image 90 degrees clockwise or counter-clockwise, press **1** or **3**. To rotate the image 45 degrees, press **7** or **9**.

To switch between full screen and normal screen, press *****.

Movie director

To create muvees, press , and select **Gallery**, images and videos, and **Options** > **Edit** > **Create muvee**.

A muvee is a short, edited video clip that can contain video, images, music, and text. Quick muvee is created automatically by **Movie director** after you select the style for the muvee. **Movie director** uses the default music and text associated with the chosen style. In a custom muvee you can select your own video and music clips, images and style, and add an opening and closing message. You can send muvees in a multimedia message.

A muvee can be saved in **Gallery** in .3gp file format.

Create a quick muvee

- 1 In **Gallery**, select images and videos for the muvee, and **Options** > **Edit** > **Create muvee**. The style selection view opens.
- 2 Select a style for the muvee from the style list.
- 3 Select **Options** > **Create muvee**.

Create a custom muvee

- 1 In **Gallery**, select images and videos for the muvee, and **Options > Edit > Create muvee**. The style selection view opens.
- 2 Scroll to the desired style, and select **Options > Customise**.
- 3 Reorder and edit the selected items, or add or remove items from your muvee in **Videos & images** or **Music**. In **Videos & images**, you can define the order in which the files are played in the muvee. To select the file you want to move, press . Then scroll to the file below which you want to place the marked file, and press . To add or remove images and videos from the muvee, select **Options > Add/Remove**. To add albums and their content to the muvee, in the image or video clip list view, select **Options > Albums**. To cut the video clips, in **Videos & images**, select **Options > Select contents**. See 'Select content', p. 45. In **Message** you can add an opening and closing text to a muvee. In **Length**, you can define the length of the muvee. Select from the following:
 - Multimedia message**—to optimize the length of the muvee for sending in a multimedia message
 - Auto-select**—to include all the selected images and video clips in the muvee

Same as music—to set the muvee duration to be the same as the chosen music clip

User defined—to define the length of the muvee

- 4 Select **Options > Create muvee**. The preview view opens.
- 5 To preview the custom muvee before saving it, select **Options > Play**.
- 6 To save the muvee, select **Options > Save**.

To create a new custom muvee by using the same style settings, select **Options > Recreate**.

Select content

To edit the selected video clips, in the **Videos & images** folder, select **Options > Select contents**. You can select which parts of the video clip you want to include or exclude in the muvee. In the slide, green indicates included, red indicates excluded, and grey indicates neutral parts.

To include a part of the video clip in the muvee, scroll to the part, and select **Options > Include**. To exclude a part, select **Options > Exclude**. To exclude a shot, select **Options > Exclude shot**.

To let **Movie director** randomly include or exclude a certain part of the video clip, scroll to the part, and select **Options > Mark as neutral**. To randomly include or exclude parts of the clip, select **Options > Mark all as neutral**.

Settings

In the style selection view, select **Options > Customise > Settings** to edit the following options:

Memory in use—Select where to store your muvees.

Resolution—Select the resolution of your muvees. Select **Automatic** to use the optimal resolution based on the number and length of the video clips you have selected.

Default muvee name—Set a default name for the muvees.

Personalize your device

To personalize your device, select from the following:

- To use the standby display for fast access to your most frequently used applications, see 'Active standby mode', p. 49.
- To change the standby mode background image or what is shown in the screen saver, see 'Change the look of your device', p. 48.
- To change the look of the cover display, see 'Cover display', p. 49.
- To customize the ringing tones, see 'Profiles—set tones', p. 47 and 'Add ringing tones for contacts', p. 90.
- To change the shortcuts assigned for the different presses of the scroll key and left and right selection keys in the standby mode, see 'Standby mode', p. 99.
- To change the clock shown in the standby mode, press , and select **Applications > Clock > Options > Settings > Clock type > Analogue** or **Digital**.
- To change the welcome note to an image or animation, press , and select **Tools > Settings > General > Personalisation > Display > Welcome note / logo**.
- To change the main menu view, in the main menu, select **Options > Change Menu view > Grid** or **List**.
- To use animated icons in your device, in the main menu, select **Options > Icon animation > On**.
- To rearrange the main menu, in the main menu, select **Options > Move, Move to folder**, or **New folder**. You can move less used applications into folders and place applications that you use more often into the main menu.

Profiles—set tones



To set and customize the ringing tones, message alert tones, and other tones for different events, environments, or caller groups, press , and select **Tools > Profiles**.

To change the profile, select **Tools > Profiles**, a profile, and **Options > Activate**. You can also change the profile by pressing  in the standby mode. Scroll to the profile you want to activate, and select **OK**.

 **Tip!** To switch between the general and silent profiles, press and hold **#**.

To modify a profile, press , and select **Tools > Profiles**. Scroll to the profile, and select **Options > Personalise**. Scroll to the setting you want to change, and press  to open the choices. Tones stored on a compatible memory card (if inserted) are indicated with .

In the tones list, the [Download sounds](#) link (network service) opens a list of bookmarks. You can select a bookmark and start connection to a web page to download more tones.

If you want the caller's name to be spoken when your device rings, select [Options](#) > [Personalise](#), and set [Say caller's name](#) to [On](#). The caller's name must be saved in [Contacts](#).

To create a new profile, select [Options](#) > [Create new](#).

Offline profile

The [Offline](#) profile lets you use the device without connecting to the wireless network. When you activate the [Offline](#) profile, the connection to the wireless network is turned off, as indicated by  in the signal strength indicator area. All wireless RF signals to and from the device are prevented. If you try to send messages, they are placed in the outbox to be sent later.

When the [Offline](#) profile is active, you can use your device without a SIM card.

 **Important:** In the offline profile you cannot make or receive any calls, or use other features that require cellular network coverage. Calls may still be possible to the official emergency number programmed into your device. To make calls, you must first activate the phone

function by changing profiles. If the device has been locked, enter the lock code.

You can also use Bluetooth connectivity while in the [Offline](#) profile. See 'Bluetooth connectivity', p. 58.

To leave the [Offline](#) profile, press the power key, and select another profile. The device re-enables wireless transmissions (providing there is sufficient signal strength).

Change the look of your device



To change the look of the display, such as the wallpaper and icons, press , and select [Tools](#) > [Themes](#).

To change the theme that is used for all the applications in your device, select [Themes](#) > [General](#). To change the theme of a certain application, in the main view, select an application.

To preview a theme before activating it, select [Options](#) > [Preview](#). To activate the theme, select [Options](#) > [Set](#). The active theme is indicated by .

The themes on a compatible memory card (if inserted) are indicated by . The themes on the memory card are not available if the memory card is not inserted in the device. If you want to use the themes saved in the memory card

without the memory card, save the themes in the device memory first.

To change the layout of the main menu, select **Themes > Menu view**.

To open a browser connection and download more themes, in **General** or **Menu view**, select **Download themes** (network service).

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

To edit the wallpaper and power saver of the current theme, select **Themes > Wallpaper** to change the background image on the display for the active standby mode. See also 'Display', p. 98 for power saver time-out setting.

Cover display

To change the look of the cover display, press  and select **Tools > Themes > Cover personalis.**, and from the following:

Wallpaper—Select the background image displayed on the cover display in the standby mode.

Screen saver—Select an image or animation to use as a screen saver on the cover display and how long it is displayed.

When you select an image to use as wallpaper or a screen saver, a cropping frame the size of the cover display is shown on top of the image. You can zoom and rotate the area of the image. Scroll to move the frame around the display. To use the area inside the frame, select **Options > Set as wallpaper** or **Set as screen saver**. You cannot use a copyright-protected image as wallpaper or screen saver.

Closing animation—Select a short animation to play when you close the cover.

Closing tone—Select a short tune to play when you close the cover.

Opening tone—Select a short tune to play when you open the cover and the device is in the standby mode.

Active standby mode

The active standby display shows application shortcuts, and events from applications such as calendar and player.

To switch the active standby on or off, press , and select **Tools > Settings > General > Personalisation > Standby mode > Active standby**.

Scroll to an application or event, and press .

The standard scroll key shortcuts available in the standby mode cannot be used when the active standby mode is on.

To change the default applications' shortcuts, press

, and select **Tools > Settings > General > Personalisation > Standby mode > Active standby apps.**

Some shortcuts may be fixed, and you cannot change them.



Web browser

Press , and select **Web** (network service).

 **Shortcut:** To start the web browser, press and hold  in the standby mode.

With the web browser, you can view hypertext markup language (HTML) web pages on the internet as originally designed. You can also browse web pages that are designed specifically for mobile devices, and use extensible hypertext markup language (XHTML), or the wireless markup language (WML).

With **Web**, you can zoom in and out on a page, use **Mini Map** and page overview to navigate on pages, read web feeds and blogs, bookmark web pages, and download content.

Check the availability of services, pricing, and fees with your service provider. Service providers will also give you instructions on how to use their services.

To use the web browser, you need an access point to connect to internet. See 'Access points', p. 106.

Connection security

If the security indicator  is displayed during a connection, the data transmission between the device and the internet gateway or server is encrypted.

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

Security certificates may be required for some services, such as banking services. You are notified if the identity of the server is not authentic or if you do not have the correct security certificate in your device. For more information, contact your service provider. See also 'Certificate management', p. 101 for more information on the certificates and certificate details.

Bookmarks view

The bookmarks view allows you to select web addresses from a list or from a collection of bookmarks in the **Auto. Bookmarks** folder. You can also enter the URL address of the web page you want to visit directly into the field ().

 indicates the starting page defined for the default access point.

You can save URL addresses as bookmarks while browsing on the internet. You can also save addresses received in messages to your bookmarks and send saved bookmarks.

Your device may have preinstalled bookmarks and links for third-party internet sites. You may also access other third-party sites through your device. Third-party sites are not affiliated with Nokia, and Nokia does not endorse or assume liability for them. If you choose to access such sites, you should take precautions for security or content.

To open the bookmarks view while browsing, press **1**, or select **Options > Bookmarks**.

To edit the details of a bookmark, such as the title, select **Options > Bookmark manager > Edit**.

In the bookmarks view, you can also enter other browser folders. The web browser allows you to save web pages during browsing. In the **Saved pages** folder, you can view the content of the pages you have saved offline.

The web browser also keeps track of the web pages you visit during browsing. In the **Auto. Bookmarks** folder, you can view the list of visited web pages.

In **Web Feeds**, you can view saved links to web feeds and blogs to which you have subscribed. Web feeds are commonly found on major news organization web pages,

personal weblogs, online communities that offer latest headlines, and article summaries. Web feeds use RSS and ATOM technologies.

Browse the web

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

With **Web**, you can view web pages as they are originally designed. To browse a web page, in the bookmarks view, select a bookmark, or enter the address in the field (). Then press **OK**.

Some web pages may contain material, such as graphics and sounds, that requires a large amount of memory to view. If your device runs out of memory while loading such a page, the graphics on the page are not shown. To browse web pages without graphics to save memory, select **Options > Settings > Page > Load images and sounds > No**.

 **Tip!** To return to the standby mode with the browser open in the background, press  twice or . To return to the browser, press and hold , and select the browser from the list.

To open links and make selections, press . To open a link in a new window, select **Options** > **Window** > **Link in new window**.

To enter a new web page address you want to visit, select **Options** > **Go to web address**.

 **Tip!** To visit a web page saved as bookmark in the bookmarks view, while browsing, press **1** and select a bookmark.

To retrieve the latest content of the page from the server, select **Options** > **Navigation options** > **Reload**.

To save the web address of the current page as bookmark, select **Options** > **Save as bookmark**.

To use Visual history to view snapshots of the pages you have visited during the current browsing session, select **Back** (available if **History list** is set on in the browser settings) or **Options** > **Navigation options** > **History**. To go to a previously visited page, select the page.

To save a page while browsing, select **Options** > **Tools** > **Save page**. You can save pages to the device memory or compatible memory card (if inserted), and browse them when offline. You can also group the pages into folders. To access the pages later, in the bookmarks view, select **Saved pages**.

To open a sublist of commands or actions for the currently open page, select **Options** > **Service options** (if supported by the web page).

To allow or prevent the automatic opening of multiple windows, select **Options** > **Window** > **Block pop-ups** or **Allow pop-ups**.

Shortcuts while browsing

- Press **1** to open your bookmarks.
- Press **2** to search for keywords in the current page.
- Press **3** to return to the previous page.
- Press **5** to list all open windows.
- Press **C** to close the current window if two or more windows are open.
- Press **8** to show the page overview of the current page. Press **8** again to zoom in and view the desired section of the page.
- Press **9** to enter a new web address.
- Press **0** to go to the start page.
- Press ***** or **#** to zoom the page in or out.

To switch between portrait and landscape views, select **Options** > **Rotate screen**.

Text Search

To search for keywords within the current web page, select **Options** > **Find** > **Text**, and enter a keyword. To go to the

previous match, press . To go to the next match, press .

 **Tip!** To search for keywords within the page, press **2**.

Browser toolbar

With the toolbar, you can select most frequently used features in the browser. To open the toolbar, press  on an empty spot on a web page. To move within the toolbar, press  or , To select a feature, press .

In the toolbar, select from the following:

Frequently used links to view a list of the web addresses you visit frequently.

Page overview to view the overview of the current web page.

Find to search for keywords within the current page.

Reload to refresh the page.

Subscribe (if available) to view a list of available web feeds on the current web page, and subscribe to a web feed.

Download and purchase items

You can download items such as ringing tones, images, operator logos, themes, and video clips. These items can

be provided free of charge, or you can purchase them. Downloaded items are handled by the respective applications in your device, for example, a downloaded photo or an .mp3 file can be saved in **Gallery**.

 **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.

- 1 To download the item, select the link.
- 2 Select the appropriate option to purchase the item (for example, "Buy").
- 3 Carefully read all the information provided. To continue the download, select **Accept**. To cancel the download, select **Cancel**.

When you start a download, a list of ongoing and completed downloads from the current browsing session is displayed. To also view the list, select **Options** > **Downloads**. In the list, scroll to an item, and select **Options** to cancel ongoing downloads, or open, save, or delete completed downloads.

Mini Map

Mini Map helps you to navigate on web pages that contain large amount of information. When **Mini Map** is set on in the browser settings and you scroll through a large web page, **Mini Map** opens and shows an overview

of the web page you browse. To scroll in **Mini Map**, press , , , or . When you find the desired location, stop scrolling, and **Mini Map** disappears and leaves you at the selected location.

To set **Mini Map** on, select **Options > Settings > General > Mini Map > On**.

Page overview

When you are browsing a web page that contains a large amount of information, you can use page overview to view what kind of information the page contains.

To show the page overview of the current page, press **8**. To find the desired spot on the page, press , , , or . Press **8** again to zoom in and view the desired section of the page.

Web feeds and blogs

Web feeds are xml files on web pages that are widely used by the weblog community and news organizations to share the latest entry headlines or full text, for example, recent news in the form of news feeds. Blogs or weblogs are web diaries. Most of the web feeds use RSS and ATOM technologies. It is common to find web feeds on web, blog, and wiki pages.

The web browser automatically detects if a web page contains web feeds. To subscribe to a web feed, select **Options > Subscribe**, or click on the link. To view the web feeds to which you have subscribed, in the bookmarks view, select **Web feeds**.

To update a web feed, select it, and **Options > Refresh**.

To define how the web feeds are updated, select **Options > Settings > Web feeds**. See 'Settings', p. 56.

End connection

To end the connection and view the browser page offline, select **Options > Tools > Disconnect**; or to end the connection and close the browser, select **Options > Exit**.

Pressing  does not end the connection but takes the browser to the background.

To delete the information the network server collects about your visits to various web pages, select **Options > Clear privacy data > Delete cookies**.

To clear the data you entered for different forms on the web pages you visited, select **Options > Clear privacy data > Form password data**.

To clear the information stored about the pages you have visited during the current browsing session, select **Options > Clear privacy data > History**.

Empty the cache

The information or services you have accessed are stored in the cache memory of the device.

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

Settings

Select **Options** > **Settings** and from the following:

General settings

Access point—Change the default access point. See 'Connection', p. 105. Some or all access points may be preset for your device by your service provider; you may not be able to change, create, edit, or remove them.

Homepage—Define the home page.

Mini Map—Set **Mini Map** on or off. See 'Mini Map', p. 54.

History list—While browsing, to use the selection key **Back** to see a list of the pages you have visited during the current browsing session, set **History list** on.

Security warnings—Hide or show security notifications.

Java/ECMA script—Enable or disable the use of scripts.

Page settings

Load images and sounds—Select whether you want to load images and other objects while browsing. If you select **No**, to load images or objects later during browsing, select **Options** > **Tools** > **Load images**.

Screen size—Select between **Full screen** and the normal view with the **Options** list.

Default encoding—If text characters are not shown correctly, you can select another encoding according to language for the current page.

Font size—Define the font size that is used for web pages.

Block pop-ups—Allow or block automatic opening of different pop-ups while browsing.

Automatic reload—If you want the web pages to be refreshed automatically while browsing, select **On**.

Privacy settings

Auto. bookmarks—Enable or disable automatic bookmark collecting. If you want to continue saving the addresses of the visited web pages into the **Auto. Bookmarks** folder, but hide the folder from the bookmarks view, select **Hide folder**.

Form data saving—If you do not want the data you enter to different forms on a web page to be saved and used next time the page is entered, select **Off**.

Cookies—Enable or disable the receiving and sending of cookies.

Serial no. sending—To send the serial number of your device as your user identification when requested by web services, select **On** (if available).

Web feeds settings

Automatic updates—Define whether you want the web feeds to be updated automatically or not, and how often you want to update them. Setting the application to retrieve web feeds automatically 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.

Acc. point for auto-update (only available when **Automatic updates** is on)—Select the desired access point for updating.

Connections

Connection manager

Data connections

Press , and select **Tools** > **Conn. mgr.** > **Active data connections**. In the active connections view, you can see the open data connections: data calls (**D**), and packet data connections ( or .

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

To end a connection, select **Options** > **Disconnect**. To close all open connections, select **Options** > **Disconnect all**.

To view the details of a connection, select **Options** > **Details**. The details shown depend on the connection type.

Bluetooth connectivity

You can connect wirelessly to other compatible devices with wireless Bluetooth technology. Compatible devices may include mobile phones, computers, and enhancements such as headsets and car kits. You can use

Bluetooth connectivity to send images, video clips, music and sound clips, and notes; connect wirelessly to your compatible PC (for example, to transfer files); connect to a compatible printer to print images with **Image print**. See 'Image print', p. 41.

Since devices with Bluetooth wireless technology communicate using radio waves, your device and the other device do not need to be in direct line-of-sight. The two devices only need to be within 10 meters (33 feet) of each other, but the connection may be subject to interference from obstructions such as walls or from other electronic devices.

This device is compliant with Bluetooth Specification 2.0 supporting the following profiles: Basic Imaging Profile, SIM Access Profile, Dial-up Networking Profile, File Transfer Profile, Generic Access Profile, Generic Object Exchange Profile, Hands-Free Profile, Headset Profile, Human Interface Device Profile, Object Push Profile, Service Discovery Application Profile, Serial Port Profile. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service provider.

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

When the device is locked, you cannot use Bluetooth connectivity. See 'Phone and SIM card', p. 100 for more information on locking the device.

Settings

Press , and select **Tools > Bluetooth**. When you open the application for the first time, you are asked to define a name for your device.

Select from the following:

Bluetooth—To connect wirelessly to another compatible device, first set Bluetooth connectivity **On**, then establish a connection. To switch off Bluetooth connectivity, select **Off**.

My phone's visibility—To allow your device to be found by other devices with Bluetooth wireless technology, select **Shown to all**. To set a time after which the visibility is set from shown to hidden, select **Define period**. To hide your device from other devices, select **Hidden**.

My phone's name—Edit the name shown to other devices using Bluetooth wireless technology.

Remote SIM mode—To enable another device, such as a compatible car kit enhancement, to use the SIM card in your device to connect to the network, select **On**. For more information, see 'Remote SIM mode', p. 61.

Security tips

When you are not using Bluetooth connectivity, select **Bluetooth > Off** or **My phone's visibility > Hidden**. In this way, you can better control who can find your device with Bluetooth wireless technology, and connect to it.

Do not pair with or accept connection requests from an unknown device. In this way, you can better protect your device from harmful content.

Send data using Bluetooth connectivity

Several Bluetooth connections can be active at a time. For example, if you are connected to a compatible headset, you can also transfer files to another compatible device at the same time.

For Bluetooth connectivity indicators, see 'Essential indicators', p. 17.

 **Tip!** To send text using Bluetooth connectivity, open **Notes**, write the text, and select **Options > Send > Via Bluetooth**.

- 1 Open the application where the item you want to send is stored. For example, to send an image to another compatible device, open **Gallery**.
- 2 Select the item and **Options > Send > Via Bluetooth**. Devices with Bluetooth wireless technology within range start to appear on the display.
Device icons:  computer,  phone,  audio or video device, and  other device.
To interrupt the search, select **Stop**.
- 3 Select the device with which you want to connect.
- 4 If the other device requires pairing before data can be transmitted, a tone sounds, and you are asked to enter a passcode. See 'Pair devices', p. 60.
- 5 When the connection has been established, **Sending data** is shown.

 **Tip!** When searching for devices, some devices may show only the unique address (device address). To find the unique address of your device, enter the code ***#2820#** in the standby mode.

Pair devices

To pair with compatible devices and view your paired devices, in the **Bluetooth** application main view, press .

Before pairing, create your own passcode (1–16 digits), and agree with the owner of the other device to use the same code. Devices that do not have a user interface have a factory-set passcode. The passcode is used only once.

- 1 To pair with a device, select **Options > New paired device**. Devices with Bluetooth wireless technology within range start to appear on the display.
- 2 Select the device, and enter the passcode. The same passcode must be entered on the other device as well.

Some audio enhancements connect automatically to your device after pairing. Otherwise, scroll to the enhancement, and select **Options > Connect**.

Paired devices are indicated by  in the device search.

To set a device as authorized or unauthorized, scroll to a device, and select from the following options:

Set as authorised—Connections between your device and this device can be made without your knowledge. No separate acceptance or authorization is needed. Use this status for your own devices, such as your compatible headset or PC, or devices that belong to someone you trust.  indicates authorized devices in the paired devices view.

Set as unauthorised—Connection requests from this device must be accepted separately every time.

To cancel a pairing, scroll to the device, and select **Options > Delete**. If you want to cancel all pairings, select **Options > Delete all**.

Receive data using Bluetooth connectivity

When you receive data through Bluetooth connectivity, a tone sounds, and you are asked if you want to accept the message. If you accept,  is shown, and the item is placed in the **Inbox** folder in **Messaging**. Messages received through Bluetooth connectivity are indicated by . See 'Inbox—receive messages', p. 69.

Remote SIM mode

To use the remote SIM mode with a compatible car kit enhancement, set Bluetooth connectivity on, and enable the use of the remote SIM mode with your device. See 'Settings', p. 59. Before the mode can be activated, the two devices must be paired and the pairing initiated from the other device. When pairing, use a 16-digit passcode, and set the other device as authorized. See 'Pair devices', p. 60. Activate the remote SIM mode from the other device.

When remote SIM mode is on in your device, **Remote SIM** is displayed in the standby mode. The connection to the wireless network is turned off, as indicated by  in the signal strength indicator area, and you cannot use SIM

card services or features requiring cellular network coverage.

When the wireless device is in the remote SIM mode, you can only use a compatible connected enhancement, 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 from your device, you must first leave the remote SIM mode. If the device has been locked, enter the lock code to unlock it first.

To leave the remote SIM mode, press the power key, and select **Exit remote SIM mode**.

USB

Press , and select **Tools > USB**.

To have the device ask the purpose of the USB cable connection each time the cable is connected, select **Ask on connection > Yes**.

If **Ask on connection** is set to off or you want to change the mode during an active connection, select **USB mode** and from the following:

Media player—to synchronize music with Windows Media Player. See 'Music transfer with Windows Media Player', p. 24.

PC Suite—to use to use the data cable connection for the Nokia Nseries PC Suite

Data transfer— to transfer data between your device and a compatible PC

Image print—to print images on a compatible printer. See 'Image print', p. 41.

PC connections

You can use your device with a variety of compatible PC connectivity and data communications applications. With Nokia Nseries PC Suite you can, for example, transfer images between your device and a compatible PC.

Always create the connection from the PC to synchronize with your device.

Synchronization



Sync enables you to synchronize your notes, calendar, text messages, or contacts with various compatible applications on a compatible computer or on the internet.

You may receive synchronization settings in a special message. See 'Data and settings', p. 70.

In the **Sync** main view, you can see the different synchronization profiles. A synchronization profile contains the necessary settings to synchronize data in

your device with a remote database on a server or compatible device.

- 1 Press , and select **Tools > Sync**.
- 2 Select a synchronization profile and **Options > Synchronise**. To cancel synchronization before it finishes, select **Cancel**.

Device manager



To connect to a server and receive configuration settings for your device, to create new server profiles, or to view and manage existing server profiles, press , and select **Tools > Device mgr..**

You may receive server profiles and different configuration settings from your service providers and company information management department. These configuration settings may include connection and other settings used by different applications in your device.

Scroll to a server profile, and select **Options** and from the following:

Start configuration—to connect to the server and receive configuration settings for your device

New server profile—to create a server profile

To delete a server profile, scroll to it, and press .

Download!



Download! (network service) is a mobile content shop available on your device.

With **Download!** you can discover, preview, buy, download, and upgrade content, services, and applications that work with your Nokia N76. Games, ringing tones, wallpapers, applications, and much more are right at hand. The items are categorized under catalogs and folders provided by different service providers. The available content depends on your service provider.

Press , and select **Download!**.

Download! uses your network services to access the most up-to-date content. For information on additional items available through **Download!**, contact your service provider or the supplier or manufacturer of the item.

Download! receives ongoing updates, bringing you the latest content your service provider offers for your device. To update the content in **Download!** manually, select **Options > Refresh list**.

To hide a folder or a catalog from the list, for example, to view only the items you use frequently, select **Options > Hide**. To make all the hidden items visible again, select **Options > Show all**.

To buy the selected item in the main view or in a folder or catalog, select **Options > Buy**. A submenu opens, where you can select the version of the item and view price information. The available options depend on the service provider.

To download an item that is free of charge, select **Options > Get**.

Settings for Download!

The application updates your device with the most recent content available from your service provider and other available channels. To change the settings, select **Options > Settings** and from the following:

Access point—To select which access point is used to connect to the service provider's server and whether to have the device to ask for the access point every time you use.

Automatic open—Select **Yes** if you want the content or application to be opened automatically after downloading.

Preview confirmation—Select **No** if you want to automatically download a preview of the content or

application. Select **Yes** if you want to be asked separately each time before downloading a preview.

Buy confirmation—Select **Yes** if you want to be asked for confirmation before buying content or an application. If you select **No** the buying process starts immediately after you select the option **Buy**.

After you complete the settings, select **Back**.

Time management

Clock

Press  , and select **Applications** > **Clock**. To view your active and inactive alarms, press  . To set a new alarm, select **Options** > **Set alarm**. When an alarm is active,  is shown.

To turn off the alarm, select **Stop**. To stop the alarm for 5 minutes, select **Snooze**.

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

To cancel an alarm, select **Applications** > **Clock** > **Options** > **Remove alarm**.

To change clock settings, select **Applications** > **Clock** > **Options** > **Settings** > **Time** or **Date**, **Clock type**, or **Clock alarm tone**.

To allow the mobile phone network to update the time, date, and time zone information to your device (network service), select **Network operator time** > **Auto-update**.

World clock

To open the world clock view, select **Clock**, and press  twice. In the world clock view, you can view the time in different cities. To add cities to the list, select **Options** > **Add city**. You can add a maximum of 15 cities to the list.

To set your current city, scroll to a city, and select **Options** > **Set as current city**. The city is displayed in the clock main view, and the time in your device is changed according to the city selected. Check that the time is correct and matches your time zone.

Calendar

Press  and select **Calendar**. To add a new calendar entry, scroll to the desired date, select **Options** > **New entry** and one of the following:

- 1 **Meeting**—to remind you of an appointment that has a specific date and time
Meeting request—to create and send a new meeting request. You need to have a mailbox set up for sending requests. See 'Mailbox', p. 71.
Memo—to write a general entry for a day

Anniversary—to remind you of birthdays or special dates (entries are repeated every year)

To-do—to remind you of a task that needs doing by a specific date

- 2 Fill in the fields. To set an alarm, select **Alarm > On**, and enter the **Alarm time** and **Alarm date**.

To add a description for an entry, select

Options > Add description.

- 3 To save the entry, select **Done**.

Shortcut: In the day, week, or month calendar view, press any key (**1 - 0**). An appointment entry opens, and the characters you enter are added to **Subject**. In the to-do view, a to-do note entry opens.

When the calendar alarms for a note, select **Silence** to turn off the calendar alarm tone. The reminder text stays on the screen. To end the calendar alarm, select **Stop**. To set the alarm to snooze, select **Snooze**.

You can synchronize your calendar with a compatible PC using Nokia Nseries PC Suite. When creating a calendar entry, set the desired synchronisation option.



Calendar views

Select **Options > Settings** to change the starting day of the week or the view that is shown when you open the calendar.

To go to a certain date, select **Options > Go to date**. To jump to today, press **#**.

To switch between the month view, week view, day view, and to-do view, press *****.

To send a calendar note to a compatible device, select **Options > Send**.

If the other device is not compatible with Coordinated Universal Time (UTC), the time information of received calendar entries may not be displayed correctly.

To modify the calendar, select **Options > Settings > Calendar alarm tone**, **Default view**, **Week starts on**, and **Week view title**.

Manage your calendar entries

To delete more than one event at a time, go to the month view, and select **Options > Delete entry > Before date** or **All entries**.

To mark a task as completed, scroll to it in the to-do view, and select **Options > Mark as done**.

Messaging

Press  , and select **Messaging** (network service).

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

To create a new message, select **New message**.

Messaging contains the following folders:

 **Inbox**—Received messages, except e-mail and cell broadcast messages, are stored here. E-mail messages are stored in the **Mailbox**.

 **My folders**—Organize your messages into folders.

 **Tip!** To avoid rewriting messages that you send often, use texts in the templates folder. You can also create and save your own templates.

 **Mailbox**—Connect to your remote mailbox to retrieve your new e-mail messages or view your previously retrieved e-mail messages offline. See 'E-mail', p. 74.

 **Drafts**—Draft messages that have not been sent are stored here.

 **Sent**—The last messages that have been sent, excluding messages sent using Bluetooth connectivity, are

stored here. To change the number of messages to be saved, see 'Other settings', p. 76.

 **Outbox**—Messages waiting to be sent are temporarily stored in the outbox, for example, when your device is outside network coverage.

 **Reports**—You can request the network to send you a delivery report of the text messages and multimedia messages you have sent (network service).

To enter and send service requests (also known as USSD commands), such as activation commands for network services, to your service provider, select **Options > Service command** in the main view of **Messaging**.

Cell broadcast (network service) allows you to receive messages on various topics, such as weather or traffic conditions, from your service provider. For available topics and relevant topic numbers, contact your service provider. In the main view of **Messaging**, select **Options > Cell broadcast**.

Cell broadcast messages cannot be received in UMTS networks. A packet data connection may prevent cell broadcast reception.

Text modes

ABC, abc, and Abc indicate the selected character mode. 123 indicates the number mode.

To switch between the letter and number mode, press and hold #. To switch between the different character modes, press #.

To insert a number in the letter mode, press and hold the desired number key.

 is displayed when you write text using traditional text input and  when using predictive text input.

With predictive text, you can enter any letter with a single keypress. Predictive text input is based on a built-in dictionary to which you can add new words.

To activate predictive text input, press , and select **Predictive text on**.

 **Tip!** To turn predictive text input on or off, quickly press # twice.

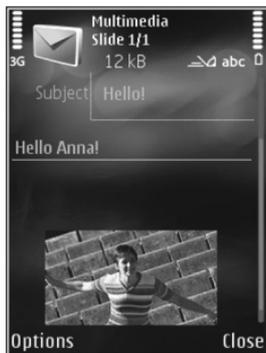
Write and send messages

Before you can create a multimedia message or write an e-mail, you must have the correct connection settings in place. See 'E-mail settings', p. 71 and 'E-mail', p. 74.

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.

- 1 Select **New message** and from the following:
 - Text message**—to send a text message
 - Multimedia message**—to send a multimedia message (MMS)
 - Audio message**—to send an audio message (a multimedia message that includes one sound clip)
 - E-mail**—to send an e-mail
- 2 In the **To** field, press  to select recipients or groups from contacts, or enter the recipient's phone number or e-mail address. To add a semicolon (;) that separates the recipients, press *. You can also copy and paste the number or address from the clipboard.
- 3 In the **Subject** field, enter the subject of a multimedia message or e-mail. To change the fields that are visible, select **Options > Address fields**.

- 4 In the message field, write the message. To insert a template, select **Options > Insert or Insert object > Template**.
 - 5 To add a media object to a multimedia message, select **Options > Insert object > Image, Sound clip, or Video clip**.
 - 6 To take a new picture or record sound or video for a multimedia message, select **Insert new > Image, Sound clip, or Video clip**. To insert a new slide to the message, select **Slide**. To see what the multimedia message looks like, select **Options > Preview**.
 - 7 To add an attachment to an e-mail, select **Options > Insert > Image, Sound clip, Video clip, Note, or Other** for other file types. E-mail attachments are indicated by .
 - 8 To send the message, select **Options > Send**, or press .
-  **Note:** Your device may indicate that your message was sent to the message center number programmed into your device. Your device may not indicate whether the message is received at the intended destination. For



more details about messaging services, contact your service provider.

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

You may not be able to send video clips that are saved in the .mp4 format or that exceed the size limit of the wireless network in a multimedia message.

 **Tip!** You can combine images, video, sound, and text to a presentation and send it in a multimedia message. Start to create a multimedia message, and select **Options > Create presentation**. The option is shown only if **MMS creation mode** is set to **Guided** or **Free**. See 'Multimedia messages', p. 73.

Inbox—receive messages

In the **Inbox** folder,  indicates an unread text message,  an unread multimedia message,  an unread audio message, and  data received through Bluetooth connectivity.

When you receive a message,  and **1 new message** are displayed in the standby mode. To open the message, select **Show**. If the fold is closed and the message cannot appear on the cover, **Open fold to view message** is displayed. Open the cover to view the message.

When the fold is open, scroll to **Inbox**, and press  to open it. To reply to a received message, select **Options > Reply**.

When the fold is closed and you have more than one unread message, select **Show** to open **Inbox**. Use the volume and quick cover keys to navigate in the **Inbox** folder and when viewing messages.

Multimedia messages

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

You may receive a notification that a multimedia message is waiting in the multimedia message center. To start a packet data connection to retrieve the message to your device, select **Options > Retrieve**.

When you open a multimedia message () , you may see an image and a message.  is shown if sound is included, or  if video is included. To play the sound or the video, select the indicator.

To see the media objects that have been included in the multimedia message, select **Options > Objects**.

If the message includes a multimedia presentation,  is displayed. To play the presentation, select the indicator.

Data and settings

Your device can receive many kinds of messages that contain data, such as business cards, ringing tones, operator logos, calendar entries, and e-mail notifications. You may also receive settings from your service provider or company information management department in a configuration message.

To save the data from the message, select **Options** and the corresponding option.

Web service messages

Web service messages are notifications (for example, news headlines) and may contain a text message or a link. For availability and subscription, contact your service provider.

Mailbox

E-mail settings

 **Tip!** Use **Settings Wizard** to define your mailbox settings. Press , and select **Tools** > **Sett. wizard**.

To use e-mail, you must have a valid internet access point (IAP) in the device and define your e-mail settings correctly. See 'Access points', p. 106.

If you select **Mailbox** in the **Messaging** main view and have not set up your e-mail account, you are prompted to do so. To start creating the e-mail settings with the mailbox guide, select **Start**. See also 'E-mail', p. 74.

You must have a separate e-mail account. Follow the instructions given by your remote mailbox and internet service provider (ISP).

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

Open the mailbox

When you open the mailbox, the device asks if you want to connect to the mailbox (**Connect to mailbox?**).

To connect to your mailbox and retrieve new e-mail headings or messages, select **Yes**. When you view

messages online, you are continuously connected to a remote mailbox using a data connection.

To view previously retrieved e-mail messages offline, select **No**.

To create a new e-mail message, select **New message** > **E-mail** in the messaging main view or **Options** > **Create message** > **E-mail** in your mailbox. See 'Write and send messages', p. 68.

Retrieve e-mail messages

If you are offline, select **Options** > **Connect** to start a connection to the remote mailbox.

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

- 1 When you have an open connection to a remote mailbox, select **Options** > **Retrieve e-mail** and one of the following:
 - New**—to retrieve all new messages
 - Selected**—to retrieve only the messages that have been marked
 - All**—to retrieve all messages from the mailbox
 To stop retrieving messages, select **Cancel**.
- 2 If you want to close the connection and view the e-mail messages offline, select **Options** > **Disconnect**.

- 3 To open an e-mail message, press . If the e-mail message has not been retrieved and you are offline, you are asked if you want to retrieve this message from the mailbox.

To view e-mail attachments, open the message, and select the attachment field indicated by . If the attachment has a dimmed indicator, it has not been retrieved to the device; select **Options** > **Retrieve**.

Retrieve e-mail messages automatically

To retrieve messages automatically, select **Options** > **E-mail settings** > **Automatic retrieval**. For more information, see 'Automatic retrieval', p. 76.

Setting the device to retrieve e-mail automatically 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.

Delete e-mail messages

To delete the contents of an e-mail message from the device while still retaining it in the remote mailbox, select **Options** > **Delete**. In **Delete message from:**, select **Phone only**.

The device mirrors the e-mail headings in the remote mailbox. Although you delete the message content, the e-mail heading stays in your device. If you want to remove

the heading as well, you must first delete the e-mail message from your remote mailbox, and then make a connection from your device to the remote mailbox again to update the status.

To delete an e-mail from the device and the remote mailbox, select **Options** > **Delete**. In **Delete message from:**, select **Phone and server**.

To cancel deleting an e-mail from the device and server, scroll to an e-mail that has been marked to be deleted during the next connection () and select **Options** > **Restore**.

Disconnect from the mailbox

When you are online, to end the data connection to the remote mailbox, select **Options** > **Disconnect**.

View messages on a SIM card

Before you can view SIM messages, you must copy them to a folder in your device.

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

- 4 To start copying, select a folder and **OK**. To view the messages, open the folder.

Messaging settings

Fill in all fields marked with **Must be defined** or with a red asterisk. Follow the instructions given by your service provider. You may also obtain settings from your service provider in a configuration message.

Some or all message centers or access points may be preset for your device by your service provider, and you may not be able to change, create, edit, or remove them.

Text messages

Press **⌘**, and select **Messaging > Options > Settings > Text message** and from the following:

Message centres—View a list of all text message centers that have been defined.

Message centre in use—Select which message center is used to deliver text messages.

Character encoding— To use character conversion to another encoding system when available, select **Reduced support**.

Receive report—Select whether the network sends delivery reports on your messages (network service).

Message validity—Select how long the message center resends your message if the first attempt fails (network service). If the message cannot be sent within the validity period, the message is deleted from the message center.

Message sent as—Contact your service provider to learn if your message center is able to convert text messages into these other formats.

Preferred connection—Select the connection to be used.

Reply via same centre—Select whether you want the reply message to be sent using the same text message center number (network service).

Multimedia messages

Press **⌘**, and select **Messaging > Options > Settings > Multimedia message** and from the following:

Image size—Define the size of the image in a multimedia message.

MMS creation mode —If you select **Guided**, the device informs you if you try to send a message that may not be supported by the recipient. If you select **Restricted**, the device prevents you from sending messages that may not be supported. To include content in your messages without notifications, select **Free**.

Access point in use—Select which access point is used as the preferred connection.

Multimedia retrieval—Select how you want to receive messages. To receive messages automatically in your home cellular network, select **Auto in home netw..** Outside your home cellular network, you receive a notification that there is a message to retrieve in the multimedia message center.

Outside your home cellular network, sending and receiving multimedia messages may cost you more.

If you select **Multimedia retrieval > Always automatic**, your device automatically makes an active packet data connection to retrieve the message both in and outside your home cellular network.

Allow anon. msgs.—Select whether you want to reject messages from an anonymous sender.

Receive adverts—Define whether you want to receive multimedia message advertisements.

Receive report—Select whether you want the status of the sent message to be shown in the log (network service).

Deny report sending—Select whether you want to deny your device sending delivery reports of received messages.

Message validity—Select how long the message center resends your message if the first attempt fails (network service). If the message cannot be sent within the validity period, the message is deleted from the message center.

E-mail

Press , and select **Messaging > Options > Settings > E-mail**.

To select which mailbox you want to use for sending e-mail, select **Mailbox in use** and a mailbox.

Select **Mailboxes** and a mailbox to change the following settings: **Connection settings**, **User settings**, **Retrieval settings**, and **Automatic retrieval**.

To remove a mailbox and its messages from your device, scroll to it, and press .

To create a new mailbox, select **Options > New mailbox**.

Connection settings

To edit the settings for the e-mail you receive, select **Incoming e-mail** and from the following:

User name—Enter your user name, given to you by your service provider.

Password—Enter your password. If you leave this field blank, you are prompted for the password when you try to connect to your remote mailbox.

Incoming mail server—Enter the IP address or host name of the mail server that receives your e-mail.

Access point in use—Select an internet access point (IAP). See 'Access points', p. 106.

Mailbox name—Enter a name for the mailbox.

Mailbox type—Defines the e-mail protocol that your remote mailbox service provider recommends. The options are **POP3** and **IMAP4**. This setting cannot be changed.

Security (ports)—Select the security option used to secure the connection to the remote mailbox.

Port—Define a port for the connection.

APOP secure login (for POP3 only)—Use with the POP3 protocol to encrypt the sending of passwords to the remote e-mail server while connecting to the mailbox.

To edit the settings for the e-mail you send, select **Outgoing e-mail** and from the following:

My e-mail address—Enter the e-mail address given to you by your service provider.

Outgoing mail server—Enter the IP address or host name of the mail server that sends your e-mail. You may only be able to use the outgoing server of your service provider. Contact your service provider for more information.

The settings for **User name**, **Password**, **Access point in use**, **Security (ports)**, and **Port** are similar to the ones in **Incoming e-mail**.

User settings

My name—Enter your own name. Your name replaces your e-mail address in the recipient's device when the recipient's device supports this function.

Send message—Define how e-mail is sent from your device. Select **Immediately** for the device to connect to the mailbox when you select **Send message**. If you select **During next conn.**, e-mail is sent when the connection to the remote mailbox is available.

Send copy to self—Select whether you want to send a copy of the e-mail to your own mailbox.

Include signature—Select whether you want to attach a signature to your e-mail messages.

New e-mail alerts—Select whether you want to receive the new e-mail indications (a tone, a note, and a mail indicator) when new mail is received.

Retrieval settings

E-mail to retrieve—Define which parts of the e-mail are retrieved: **Headers only**, **Partially (kB)** (POP3), or **Msgs. & attaches.** (POP3).

Retrieval amount—Define how many new e-mail messages are retrieved to the mailbox.

IMAP4 folder path (for IMAP4 only)—Define the folder path for folders to be subscribed.

Folder subscriptions (for IMAP4 only)—Subscribe to other folders in the remote mailbox and retrieve content from those folders.

Automatic retrieval

E-mail notifications—To automatically retrieve the headings to your device when you receive new e-mail in your remote mailbox, select **Auto-update** or **Only in home netw..**

E-mail retrieval—To automatically retrieve the headings of new e-mail messages from your remote mailbox at defined times, select **Enabled** or **Only in home netw..** Define when and how often the messages are retrieved.

E-mail notifications and **E-mail retrieval** cannot be active at the same time.

Setting the device to retrieve e-mail automatically 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.

Web service messages

Press , and select **Messaging > Options > Settings > Service message**. Select whether you want to receive service messages. If you want to set the device to automatically activate the browser and start a network

connection to retrieve content when you receive a service message, select **Download messages > Automatically**.

Cell broadcast

Check the available topics and related topic numbers with your service provider. Press , and select **Messaging > Options > Settings > Cell broadcast** and from the following:

Reception—Select whether you want to receive cell broadcast messages.

Language—Select the languages in which you want to receive messages: **All**, **Selected**, or **Other**.

Topic detection—Select whether the device automatically searches for new topic numbers, and saves the new numbers without a name to the topic list.

Other settings

Press , and select **Messaging > Options > Settings > Other** and from the following:

Save sent messages—Select whether you want to save a copy of the text messages, multimedia messages, or e-mail that you send to the **Sent** folder.

Number of saved msgs.—Define how many sent messages are saved to the **Sent** folder at a time. When the limit is reached, the oldest message is deleted.

Memory in use—If a compatible memory card is inserted in the device, select the memory where you want to save your messages: **Phone memory** or **Memory card**.

IM—instant messaging

Press , and select **Applications** > **IM**.

Instant messaging (network service) allows you to converse with other people using instant messages and join discussion forums (IM groups) with specific topics. Various service providers maintain compatible IM servers that you can log in to after you register to an IM service. Service providers may differ in their support of features.

Before you can use instant messaging, you must define the settings to access the service that you want to use. You may receive the settings in a special text message from the service provider that offers the IM service.

For more information on instant messaging, see the guides for your device at www.nokia.com/support or your local Nokia website.

Make calls

Voice calls

- 1 In the standby mode, enter the phone number, including the area code. To remove a number, press **C**. For international calls, press ***** twice for the **+** character (replaces the international access code), and enter the country code, area code (omit the leading zero if necessary), and phone number.
- 2 Press **☎** to call the number.
- 3 Press **⏏** to end the call (or to cancel the call attempt). Pressing **⏏** always ends a call, even if another application is active. Closing the fold does not end an active voice call.

To adjust the volume during a call, use the volume keys on the side of your device. If you have set the volume to **Mute**, select **Unmute** first.

To make a call from **Contacts**, press **☰**, and select **Contacts**. Scroll to the desired name, or enter the first letters of the name to the search field. Matching contacts are listed. To call, press **☎**.

You must copy the contacts from your SIM card to **Contacts** before you can make a call this way. See 'Copy contacts', p. 89.

To call a recently dialed number in the standby mode, press **☎**. Scroll to the number, and press **☎**.

To send an image or a video clip in a multimedia message to the other participant of the call, select **Options > Send MMS** (in UMTS networks only). You can edit the message and change the recipient before sending. Press **☎** to send the file to a compatible device (network service).

To send DTMF tone strings (for example, a password), select **Options > Send DTMF**. Enter the DTMF string or search for it in **Contacts**. To enter a wait character (**w**) or a pause character (**p**), press ***** repeatedly. Select **OK** or send the tone. You can add DTMF tones to the **Phone number** or **DTMF** fields in a contact card.

To put an active voice call on hold while answering another incoming call, select **Options > Hold**. To switch between the active and the held call, select **Options > Swap**. To connect the active and held calls and drop yourself from the line, select **Options > Transfer**.

Tip! When you have only one active voice call, to put the call on hold, press **☎**. To activate the call, press **☎** again.

During an active call, to route the sound from the handset to the loudspeaker, select **Activate loudspeaker**. If you

have attached a compatible headset with Bluetooth connectivity, to route the sound to the headset, select **Options > Activate handsfree**. To switch back to the handset, select **Options > Activate handset**.

To end an active call and replace it by answering the waiting call, select **Options > Replace**.

If you have several calls active, to end them all, select **Options > End all calls**.

Many of the options that you can use during a voice call are network services.

Voice and video mailboxes

To call your voice or video mailbox (network services, video mailbox available only in the UMTS network), press and hold **1** in the standby mode, and select **Voice mailbox** or **Video mailbox**. See also 'Call divert', p. 104, and 'Video calls', p. 80.

To change the phone number of your voice or video mailbox, press **Ⓜ**, and select **Tools > Call mailbox**, a mailbox, and **Options > Change number**. Enter the number (obtained from your wireless service provider), and select **OK**.

Make a conference call

1 Make a call to the first participant.

- 2 To make a call to another participant, select **Options > New call**. The first call is automatically put on hold.
- 3 When the new call is answered, to join the first participant in the conference call, select **Options > Conference**.

To add a new person to the call, repeat step 2, and select **Options > Conference > Add to conference**.

Your device supports conference calls between a maximum of six participants, including yourself.

To have a private conversation with one of the participants, select **Options > Conference > Private**. Select a participant, and select **Private**. The conference call is put on hold on your device. The other participants can still continue the conference call.

After you finish the private conversation, select **Options > Add to conference** to return to the conference call.

To drop a participant, select **Options > Conference > Drop participant**, scroll to the participant, and select **Drop**.

- 4 To end the active conference call, press **⏏**.

Speed dial a phone number

To activate speed dialing, press **Ⓜ**, and select **Tools > Settings > Phone > Call > Speed dialing > On**.

To assign a phone number to one of the speed dialing keys (**2 – 9**), press **Ⓜ**, and select **Tools > Speed dial**.

Scroll to the key to which you want to assign the phone number, and select **Options > Assign**. **1** is reserved for the voice or video mailbox, and **0** for starting the web browser.

To call in the standby mode, press the speed dial key and .

Voice dialing

Your device supports enhanced voice commands. Enhanced voice commands are not dependent on the speaker's voice, so the user does not record voice tags in advance. Instead, the device creates a voice tag for the entries in contacts, and compares the spoken voice tag to it. The voice recognition in the device adapts to the main user's voice to recognize the voice commands better.

The voice tag for a contact is the name or nickname that is saved on the contact card. To listen to the synthesized voice tag, open a contact card, scroll to the number with a voice tag, and select **Options > Play voice tag**.

Make a call with a voice tag

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

When you use voice dialing, the loudspeaker is in use. Hold the device at a short distance away when you say the voice tag.

- 1 To start voice dialing, in the standby mode, press and hold the right selection key. If a compatible headset with the headset key is attached, press and hold the headset key to start voice dialing.
- 2 A short tone is played, and **Speak now** is displayed. Say clearly the name or nickname that is saved on the contact card.
- 3 The device plays a synthesized voice tag for the recognized contact in the selected device language, and displays the name and number. After a timeout of 2.5 seconds, the device dials the number.
If the recognized contact was not correct, select **Next** to view a list of other matches or **Quit** to cancel voice dialing.

If several numbers are saved under the name, the device selects the default number if it has been set. Otherwise the device selects the first available number of the following: **Mobile**, **Mobile (home)**, **Mobile (business)**, **Telephone**, **Tel. (home)**, and **Tel. (business)**.

Video calls

When you make a video call (network service), you can see a real-time, two-way video between you and the recipient

of the call. The live video image, or video image captured by the camera in your device is shown to the video call recipient.

To be able to make a video call, you must have a USIM card and be in the coverage of a UMTS network. For availability of and subscription to video call services, contact your wireless service provider.

A video call can only be made between two parties. The video call can be made to a compatible mobile device or an ISDN client. Video calls cannot be made while another voice, video, or data call is active.

Icons:

 You are not receiving video (the recipient is not sending video or the network is not transmitting it).

 You have denied video sending from your device. To send a still image instead, see "Call", p. 103.

Even if you denied video sending during a video call, the call is still charged as a video call. Check the pricing with your service provider.

- 1 To start a video call, enter the phone number in the standby mode, or select **Contacts** and a contact.
- 2 Select **Options** > **Call** > **Video call**.

The secondary camera inside the fold is used by default for video calls. Starting a video call may take a while. **Waiting for video image** is shown. If the call is not successful (for example, video calls are not supported by the network, or

the receiving device is not compatible), you are asked if you want to try a normal call or send a text or multimedia message instead.

The video call is active when you see two video images, and hear the sound through the loudspeaker. The call recipient may deny video sending () , in which case you only hear the sound and may see a still image or a grey background graphic.

To change between showing video or hearing only sound, select **Options** > **Enable** or **Disable** > **Sending video**, **Sending audio** or **Sending aud. & video**.

To zoom in or out your own image, press  or .

To switch the places of the sent video images on the display, select **Options** > **Change image order**.

To route the audio to a compatible headset with Bluetooth connectivity attached to your device, select **Options** > **Activate handsfree**. To route the audio back to the loudspeaker of your device, select **Options** > **Activate handset**.

To adjust the volume during a video call, use the volume keys on the side of the device.

To use the main camera for sending video, select **Options** > **Use main camera**. To switch back to the secondary camera, select **Options** > **Use secondary camera**.

To end the video call, press .

Video sharing

Use **Video sharing** (network service) to send live video or a video clip from your mobile device to another compatible mobile device during a voice call.

The loudspeaker is active when you activate **Video sharing**. If you do not want to use the loudspeaker for the voice call while you share video, you can also use a compatible headset.

Video sharing requirements

Because **Video sharing** requires a UMTS connection, your ability to use **Video sharing** depends on the UMTS network availability. Contact your service provider for more information on the service and network availability, and fees associated with using this service.

To use **Video sharing** you must do the following:

- Ensure that your device is set up for person-to-person connections. See 'Settings', p. 82.
- Ensure you have an active UMTS connection and are within UMTS network coverage. See 'Settings', p. 82. If you start the sharing session while you are within UMTS network coverage and a handover to GSM occurs, the sharing session is discontinued, but your

voice call continues. You cannot start **Video sharing** if you are not within UMTS network coverage.

- Ensure that both the sender and recipient are registered to the UMTS network. If you invite someone to a sharing session and the recipient's device is not within UMTS network coverage, or does not have **Video sharing** installed or person-to-person connections set up, the recipient does not know that you are sending an invitation. You receive an error message that the recipient cannot accept the invitation.

Settings

Person-to-person connection settings

A person-to-person connection is also known as a Session Initiation Protocol (SIP) connection. The SIP profile settings must be configured in your device before you can use **Video sharing**.

Ask your service provider for the SIP profile settings, and save them in your device. Your service provider may send you the settings over the air or give you a list of the needed parameters.

If you know a recipient's SIP address, you can enter it on the person's contact card. Open **Contacts** from your device main menu, and open the contact card (or start a new card for that person). Select **Options > Add detail > SIP** or **Share view**. Enter the SIP address in the format

username@domainname (you can use an IP address instead of a domain name).

If you do not know a SIP address for the contact, you can also use the phone number of the recipient including the country code, for example +358, to share video (if supported by the wireless service provider).

UMTS connection settings

To set up your UMTS connection, do the following:

- Contact your service provider to establish an agreement for you to use the UMTS network.
- Ensure that your device UMTS access point connection settings are configured properly. For help, see 'Connection', p. 105.

Share live video or video clip

- 1 When a voice call is active, select **Options > Share video > Live video**.
To share a video clip, select **Options > Share video > Recorded clip**. A list of video clips saved on the device memory or compatible memory card opens. Select a clip you want to share. To preview the clip, select **Options > Play**.
- 2 If you share live video, your device sends the invitation to the SIP address you have added to the contact card of the recipient.

If you share a video clip, select **Options > Invite**. You may need to convert the video clip into a suitable format to be able to share it. **Clip must be converted for sharing. Continue?** appears. Select **OK**.

If the contact information of the recipient is saved in **Contacts**, and the contact has several SIP addresses or phone numbers including the country code, select the desired address or number. If the SIP address or phone number of the recipient is not available, enter the SIP address or the phone number of the recipient including the country code, and select **OK** to send the invitation.

- 3 Sharing begins automatically when the recipient accepts the invitation.
- 4 Select **Pause** to pause the sharing session. Select **Continue** to resume sharing. To fast forward or rewind the video clip, press  or . To play the clip again, press **Play**.
- 5 To end the sharing session, select **Stop**. To end the voice call, press . Video sharing also ends if the active voice call ends.

To save the live video you shared, select **Save** to accept the **Save shared video clip?** query. The shared video is saved in the **Images & video** folder in **Gallery**.

If you access other applications while you are sharing a video clip, the sharing is paused. To return to the video sharing view and continue sharing, in the active standby

mode, select **Options** > **Continue**. See 'Active standby mode', p. 49.

Accept an invitation

When someone sends you a share invitation, an invitation message is displayed showing the sender's name or SIP address. If your device is not set to **Silent**, it rings when you receive an invitation.

If someone sends you a share invitation and you are not within UMTS network coverage, you will not know that you received an invitation.

When you receive an invitation, select from the following:

Accept—to activate the sharing session.

Reject—to decline the invitation. The sender receives a message that you rejected the invitation. You can also press the end key to decline the sharing session and disconnect the voice call.

When you are receiving a video clip, to mute the sound of the clip, select **Mute**.

To end video sharing, select **Stop**. Video sharing also ends if the active voice call ends.

Answer or decline a call

To answer the call, press . If **Answer if fold opened** is set to **Yes** in settings, open the fold.

To mute the ringing tone when a call comes in, select **Silence**.

If you do not want to answer a call, press . If you have activated the **Call divert** > **If busy** function to divert calls, declining an incoming call also diverts the call. See 'Call divert', p. 104.

When you select **Silence** to mute the ringing tone of the incoming call, you can send a text message without rejecting the call informing the caller that you cannot answer the call. Select **Options** > **Send text message**. To set up this option and write a standard text message, see 'Call', p. 103.

Answer or reject a video call

When a video call arrives,  is displayed.

Press  to answer the video call. **Allow video image to be sent to caller?** is displayed. To start sending live video image, select **Yes**.

If you do not activate the video call, video sending is not activated, and you only hear the sound of the caller. A grey screen replaces the video image. To replace the grey screen

with a still image captured by the camera in your device, see 'Call', [Image in video call](#), p. 103.

To end the video call, press .

Call waiting

You can answer a call while you have another call in progress if you have activated [Call waiting](#) in [Tools > Settings > Phone > Call > Call waiting](#) (network service).

To answer the waiting call, press . The first call is put on hold.

To switch between the two calls, select [Swap](#). To connect an incoming call or a call on hold with an active call and to disconnect yourself from the calls, select [Options > Transfer](#). To end the active call, press . To end both calls, select [Options > End all calls](#).

Log

To monitor the phone numbers of missed, received, and dialed voice calls, press , and select [Applications > Log > Recent calls](#). The device registers missed and received calls only if the network supports these functions, the device is switched on, and within the network service area.

To clear all recent call lists, select [Options > Clear recent calls](#) in the recent calls main view. To clear one of the call registers, open the register you want to erase, and select [Options > Clear list](#). To clear an individual event, open a register, scroll to the event, and press .

Call duration

To monitor the approximate duration of your incoming and outgoing calls, press , and select [Applications > Log > Call duration](#).

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

To clear call duration timers, select [Options > Clear timers](#). For this you need the lock code. See 'Phone and SIM card', p. 100.

Packet data

To check the amount of data sent and received during packet data connections, press , and select [Applications > Log > Packet data](#). For example, you may be charged for your packet data connections by the amount of data sent and received.

Monitor all communication events

Icons in **Log** are as follows:

-  Incoming
-  Outgoing
-  Missed communication events

To monitor all voice calls, text messages, or data connections registered by the device, press , select **Applications** > **Log**, and press  to open the general log.

Subevents, such as a text message sent in more than one part and packet data connections, are logged as one communication event. Connections to your mailbox, multimedia messaging center, or web pages are shown as packet data connections.

To add an unknown phone number from **Log** to your contacts, select **Options** > **Save to Contacts**.

To filter the log, select **Options** > **Filter** and a filter.

To erase the contents of the log, recent calls register, and messaging delivery reports permanently, select **Options** > **Clear log**. Select **Yes** to confirm. To remove a single event from the log, press .

To set the log duration, select **Options** > **Settings** > **Log duration**. If you select **No log**, all the log contents, recent calls register, and messaging delivery reports are permanently deleted.

 **Tip!** In the details view, you can copy a phone number to the clipboard, and paste it to a text message, for example. Select **Options** > **Copy number**.

To view from the packet data counter how much data is transferred and how long a certain packet data connection lasts, scroll to an incoming or outgoing event indicated by **Pack.**, and select **Options** > **View details**.

Push to talk

Press , and select **Tools** > **PTT**.

Push to talk (PTT) (network service) is a real-time voice over IP service implemented over a GSM/GPRS network. Push to talk provides direct voice communication connected with the push of a key. Use push to talk to have a conversation with one person or with a group of people.

Before you can use push to talk, you must define the push-to-talk access point and push-to-talk settings. You may receive the settings in a special text message from the service provider that offers the push-to-talk service. You can also use the **Sett. wizard** application for configuration, if supported by your service provider.

In push-to-talk communication, one person talks while the others listen through the built-in loudspeaker. Speakers take turns responding to each other. Because only one group member can talk at any time, the maximum duration

of a speech turn is limited. The maximum duration is usually set to 30 seconds. For details of the speech turn duration for your network, contact your service provider.



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

Phone calls always take priority over push-to-talk activities.

For more information on push to talk, see the guides for your device at www.nokia.com/support or your local Nokia website.

Contacts (phonebook)

Press , and select **Contacts**. In **Contacts** you can save and update contact information, such as phone numbers, home addresses, or e-mail addresses of your contacts. You can add a personal ringing tone or a thumbnail image to a contact card. You can also create contact groups, which allow you to send text messages or e-mail to many recipients at the same time. You can add received contact information (business cards) to contacts. See 'Data and settings', p. 70. Contact information can only be sent to or received from compatible devices.

To view the amount of contacts, groups, and the available memory in **Contacts**, select **Options > Contacts info**.

Save and edit names and numbers

- 1 Select **Options > New contact**.
- 2 Fill in the fields that you want, and select **Done**.

To edit contact cards in **Contacts**, scroll to the contact card you want to edit, and select **Options > Edit**. You can also search for the desired contact by entering the first letters of the name to the search field. A list of the contacts starting with the letters appear on the display.

 **Tip!** To add and edit contact cards, you can also use Nokia Contacts Editor available in Nokia Nseries PC Suite.

To attach a small thumbnail image to a contact card, open the contact card, and select **Options > Edit > Options > Add thumbnail**. The thumbnail image is shown when the contact calls.

To listen to the voice tag assigned to the contact, select a contact card and **Options > Play voice tag**. See 'Voice dialing', p. 80.

To send contact information, select the card you want to send and **Options > Send > Via text message, Via multimedia, or Via Bluetooth**. See 'Messaging', p. 67 and 'Send data using Bluetooth connectivity', p. 59.

To add a contact to a group, select **Options > Add to group:** (shown only if you have created a group). See 'Create contact groups', p. 90.

To check to which groups a contact belongs, select the contact and **Options > Belongs to groups**.

To delete a contact card in **Contacts**, select a card, and press . To delete several contact cards at the same time, press  and  to mark the contacts, and press  to delete.

Default numbers and addresses

You can assign default numbers or addresses to a contact card. In this way if a contact has several numbers or addresses, you can easily call or send a message to the contact to a certain number or address. The default number is also used in voice dialing.

- 1 In the address book, select a contact.
- 2 Select **Options > Defaults**.
- 3 Select a default to which you want to add a number or an address, and select **Assign**.
- 4 Select a number or an address you want to set as a default.

The default number or address is underlined in the contact card.

Copy contacts

To copy names and numbers from a SIM card to your device, press **☰**, and select **Contacts > Options > SIM contacts > SIM directory**, the names you want to copy, and **Options > Copy to Contacts**.

To copy contacts to your SIM card, in **Contacts**, select the names you want to copy and **Options > Copy to SIM directory**, or **Options > Copy > To SIM directory**. Only the contact card fields supported by your SIM card are copied.

 **Tip!** You can synchronize your contacts to a compatible PC with Nokia Nseries PC Suite.

SIM directory and other SIM services

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

Press **☰**, and select **Contacts > Options > SIM contacts > SIM directory** to see the names and numbers stored on the SIM card. In the SIM directory you can add, edit, or copy numbers to contacts, and you can make calls.

To view the list of fixed dialing numbers, select **Options > SIM contacts > Fixed dial contacts**. This setting is only shown if supported by your SIM card.

To restrict calls from your device to selected phone numbers, select **Options > Activate fixed dialling**. You need your PIN2 code to activate and deactivate fixed dialing or edit your fixed dialing contacts. Contact your service provider if you do not have the code. To add new numbers to the fixed dialing list, select **Options > New SIM contact**. You need the PIN2 code for these functions.

When you use **Fixed dialling**, packet data connections are not possible, except when sending text messages over a packet data connection. In this case, the message center number and the recipient's phone number must be included on the fixed dialing list.

When fixed dialing is activated, calls may be possible to the official emergency number programmed into your device.

Add ringing tones for contacts

To define a ringing tone for a contact or a contact group, do the following:

- 1 Press  to open a contact card or go to the groups list, and select a contact group.
- 2 Select **Options > Ringing tone**. A list of ringing tones opens.
- 3 Select the ringing tone you want to use for the individual contact or the selected group. You can also use a video clip as a ringing tone.

When a contact or group member calls you, the device plays the chosen ringing tone (if the caller's telephone number is sent with the call and your device recognizes it).

To remove the ringing tone, select **Default tone** from the list of ringing tones.

Create contact groups

- 1 In **Contacts**, press  to open the groups list.
- 2 Select **Options > New group**.

- 3 Write a name for the group or use the default name, and select **OK**.
- 4 Select the group, and **Options > Add members**.
- 5 Scroll to a contact, and press  to mark it. To add multiple members at a time, repeat this action on all the contacts you want to add.
- 6 Select **OK** to add the contacts to the group.

To rename a group, select **Options > Rename**, enter the new name, and select **OK**.

Remove members from a group

- 1 In the groups list, select the group you want to modify.
- 2 Scroll to the contact, and select **Options > Remove from group**.
- 3 Select **Yes** to remove the contact from the group.

Office

Calculator

Press , and select **Office** > **Calculator**.

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

Adobe Reader

With Adobe Reader, you can read .pdf documents on the display of your device.

This application has been optimized for .pdf document content on handsets and other mobile devices, and provides only a limited set of features compared with PC versions.

To open documents, press , and select **Office** > **Adobe PDF**. Your recent files are listed in the file view. To open a document, scroll to it, and press .

Use **File mgr.** to browse and open documents stored in the device memory and on a compatible memory card (if inserted).

More information

For more information, visit www.adobe.com.

To share questions, suggestions, and information about the application, visit the Adobe Reader for Symbian OS user forum at <http://adobe.com/support/forums/main.html>.

Converter

To convert measures from one unit to another, press , and select **Office** > **Converter**.

Converter has limited accuracy, and rounding errors may occur.

- 1 In the **Type** field, select the measure you want to use.
- 2 In first **Unit** field, select the unit from which you want to convert. In the next **Unit** field, select the unit to which you want to convert.
- 3 In the first **Amount** field, enter the value you want to convert. The other **Amount** field changes automatically to show the converted value.

Set base currency and exchange rates

Select [Type](#) > [Currency](#) > [Options](#) > [Currency rates](#).

Before you can make currency conversions, you must select a base currency and add exchange rates. The rate of the base currency is always 1.



Note: When you change base currency, you must enter new exchange rates because all previously set exchange rates are cleared.

Notes



To write notes in .txt format, press , and select [Office](#) > [Notes](#).

Recorder



To record voice memos, press , and select [Office](#) > [Recorder](#). To record a telephone conversation, open [Recorder](#) during a voice call. Both parties hear a tone every 5 seconds during recording.

Wireless Keyboard



To set up a compatible wireless keyboard supporting the Bluetooth human interface devices (HID) profile for use with your device, use the [Wireless keybd.](#) application. The

keyboard enables you to enter text in comfort, using the full QWERTY layout, for text messages, e-mail, and calendar entries.

- 1 Activate Bluetooth connectivity on your device.
- 2 Switch on the keyboard.
- 3 Press , and select [Office](#) > [Wireless keybd.](#)
- 4 Select [Options](#) > [Find keyboard](#) to start searching for devices with Bluetooth connectivity.
- 5 Select the keyboard from the list, and press  to start the connection.
- 6 To pair the keyboard with your device, enter a passcode of your choice (1 to 9 digits) on the device and the same passcode on your keyboard.
To enter the digits of the passcode, you may need to press the **Fn** key first.
- 7 If you are asked for a keyboard layout, select it from a list on your device.
- 8 When the name of the keyboard appears, its status changes to [Keyboard connected](#), and the green indicator of your keyboard blinks slowly; the keyboard is ready for use.

For details on the operation and maintenance of your keyboard, see its user guide.

Tools

Application manager

Press , and select **Tools > App. mgr.** You can install two types of applications and software to your device:

- J2ME™ applications based on Java™ technology with the extension .jad or .jar () .
- Other applications and software suitable for the Symbian operating system () . The installation files have the .sis or .sisx extension. Only install software specifically designed for your Nokia N76. Software providers will often refer to the official model number of this product: the Nokia N76-1.

Installation files may be transferred to your device from a compatible computer, downloaded during browsing, or sent to you in a multimedia message, as an e-mail attachment, or using Bluetooth connectivity. You can use Nokia Application Installer in Nokia Nseries PC Suite to install an application to your device. If you use Microsoft Windows Explorer to transfer a file, save the file to a compatible memory card (local disk).

Install applications and software

 indicates a .sis application,  a Java application,  that the application is not fully installed, and  that the application is installed on the memory card.

 **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.

Before installation, note the following:

- To view the application type, version number, and the supplier or manufacturer of the application, select **Options > View details**. To display the security certificate details of the application, in **Certificates**, select **View details**. See 'Certificate management', p. 101.
- If you install a file that contains an update or repair to an existing application, you can only restore the original application if you have the original installation file or a full back-up copy of the removed software package. To restore the original application, remove the application, and install the application again from the original installation file or the back-up copy.

- The .jar file is required for installing Java applications. If it is missing, the device may ask you to download it. If there is no access point defined for the application, you are asked to select one. When you are downloading the .jar file, you may need to enter a user name and password to access the server. You obtain these from the supplier or manufacturer of the application.
- 1 To locate an installation file, press , and select **Tools > App. mgr.**. Alternatively, search the device memory or a compatible memory card (if inserted) in **File mgr.**, or open a message in **Messaging > Inbox** that contains an installation file.
 - 2 In **App. mgr.**, select **Options > Install**. In other applications, scroll to the installation file, and press  to start the installation. During installation, the device shows information about the progress of the installation. If you are installing an application without a digital signature or certification, the device displays a warning. Continue installation only if you are sure of the origin and contents of the application.

To start an installed application, locate it in the menu, and press . If the application does not have a default folder defined, it is installed in the **Applications** folder.

To see which software packages are installed or removed and when, select **Options > View log**.

 **Important:** Your device can only support one antivirus application. Having more than one application with antivirus functionality could affect performance and operation or cause the device to stop functioning.

After you install applications to a compatible memory card, installation files (.sis) remain in the device memory. The files may use large amounts of memory and prevent you from storing other files. To maintain sufficient memory, use Nokia Nseries PC Suite to back up installation files to a compatible PC, then use the file manager to remove the installation files from the device memory. See 'File manager', p. 19. If the .sis file is a message attachment, delete the message from the Messaging inbox.

Remove applications and software

Scroll to a software package, and select **Options > Remove**. Select **Yes** to confirm.

If you remove software, you can only reinstall it if you have the original software package or a full backup of the removed software package. If you remove a software package, you may no longer be able to open documents created with that software.

If another software package depends on the software package that you removed, the other software package

may stop working. Refer to the documentation of the installed software package for details.

Settings

Select **Options** > **Settings** and from the following:

Software installation—Select whether Symbian software that has no verified digital signature can be installed.

Online certificate check—Select to check the online certificates before installing an application.

Default web address—Set the default address used when checking online certificates.

Some Java applications may require a message to be sent or a network connection to a specific access point for downloading extra data or components. In the **App. mgr.** main view, scroll to an application, and select **Options** > **Open** to change settings related to that specific application.

Digital rights management

Content owners may use different types of digital rights management (DRM) technologies to protect their intellectual property, including copyrights. This device uses various types of DRM software to access DRM-protected content. With this device you can access content protected

with WMDRM 10, OMA DRM 1.0 and OMA DRM 2.0. If certain DRM software fails to protect the content, content owners may ask that such DRM software's ability to access new DRM-protected content be revoked. Revocation may also prevent renewal of such DRM-protected content already in your device. Revocation of such DRM software does not affect the use of content protected with other types of DRM or the use of non-DRM-protected content.

Digital rights management (DRM) protected content comes with an associated activation key that defines your rights to use the content.

If your device has OMA DRM protected content, to back up both the activation keys and the content, use the backup feature of Nokia Nseries PC Suite. Other transfer methods may not transfer the activation keys which need to be restored with the content for you to be able to continue the use of OMA DRM protected content after the device memory is formatted. You may also need to restore the activation keys in case the files on your device get corrupted.

If your device has WMDRM protected content, both the activation keys and the content will be lost if the device memory is formatted. You may also lose the activation keys and the content in case the files on your device get corrupted. Losing the activation keys or the content may

limit your ability to use the same content on your device again. For more information, contact your service provider.

Some activation keys may be connected to a specific SIM card, and the protected content can be accessed only if the SIM card is inserted in the device.

To view the digital rights activation keys stored in your device, press , and select **Tools > Actv. keys** and from the following:

Valid keys—View keys that are connected to one or more media files and keys whose validity period has not started yet.

Invalid keys—View keys that are not valid; the time period for using the media file is exceeded or there is a protected media file in the device but no connected activation key.

Not in use—View keys that have no media files connected to them in the device.

To buy more usage time or extend the usage period for a media file, select an invalid activation key and **Options > Get new key**. Activation keys cannot be updated if web service message reception is disabled. See 'Web service messages', p. 70.

To view detailed information, such as the validity status and ability to send the file, scroll to an activation key, and press .

Voice commands

You can use voice commands to control your device. For more information about the enhanced voice commands supported by your device, see 'Voice dialing', p. 80.

To activate enhanced voice commands for starting applications and profiles, you must open the **Voice comm.** application and its **Profiles** folder. Press , and select **Tools > Voice comm. > Profiles**; the device creates voice tags for the applications and profiles. To use enhanced voice commands, press and hold  in the standby mode, and say a voice command. The voice command is the name of the application or profile displayed in the list. To use enhanced voice commands when the fold is closed, press and hold the forward key.

To add more applications to the list, select **Options > New application**. To add a second voice command that can be used to start the application, select **Options > Change command**, and enter the new voice command as text. Avoid very short names, abbreviations, and acronyms.

To listen to the synthesized voice tag, select **Options > Playback**.

To change voice command settings, select **Options > Settings**. To switch off the synthesizer that plays recognized voice tags and commands in the selected device language, select **Synthesiser > Off**. To reset voice

recognition learning, for example, when the main user of the device has changed, select [Remove voice adapts..](#)

Positioning

Press , and select [Applications](#) > [GPS data](#) or [Landmarks](#).

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

GPS should only be used as a navigation aid. It should not be used for precise location measurement and you should never rely solely on location data from the GPS receiver for positioning or navigation.

The trip meter has limited accuracy, and rounding errors may occur. Accuracy can also be affected by availability and quality of GPS signals.

With [Landmarks](#), you can save and view the position information of specific locations in your device. With [GPS data](#), you can access route guidance information to a selected destination, position information about your current location, and traveling information, such as the approximate distance to the destination and approximate duration of travel.

[Landmarks](#) and [GPS data](#) may be network based (network service) or they may require that you use a compatible GPS receiver.

For more information on [Landmarks](#) and [GPS data](#), see the guides for your device at www.nokia.com/support or your local Nokia website.

Settings

To change settings, press , and select **Tools > Settings**. Scroll to **General**, **Phone**, **Connection**, or **Applications**, and press . Scroll to a setting or setting group you want to change, and press .

Some settings may be preset for the device by your service provider, and you may not be able to change them.

General

To edit the general settings of your device or restore the original default device settings, press , and select **Tools > Settings > General > Personalisation, Date and time, Cover display, Enhancement, Security, Factory settings**, or **Positioning**.

For **Date and time**, see 'Clock', p. 65.

Personalisation

To edit settings related to the display, standby mode, and general functionality of your device, press , and select **Tools > Settings > General > Personalisation**.

Tones allows you to change the tones of calendar, clock, and the currently active profile.

Themes opens the application. See 'Change the look of your device', p. 48.

Voice comms. opens the settings for the application. See 'Voice commands', p. 96.

Display

Light sensor—Press  or  to adjust the light sensor that observes the lighting conditions and adjusts the brightness of the display. The light sensor may cause the display to flicker in low light.

Font size—Adjust the size of the text and icons on the display.

Power saver time-out—Select the time-out period after which the power saver is activated.

Welcome note / logo—The welcome note or logo is displayed briefly each time you switch on the device. Select **Default** to use the default image, **Text** to write a welcome note, or **Image** to select an image from **Gallery**.

Light time-out—Select a time-out after which the backlight of the display is switched off.

Standby mode

Active standby—Use shortcuts to applications in the standby mode. See 'Active standby mode', p. 49.

Shortcuts > **Left selection key** and **Right selection key**—Assign a shortcut to the selection keys in the standby mode.

Active standby apps.—Select the application shortcuts you want to appear in the active standby. This setting is only available if **Active standby** is on.

You can also assign keypad shortcuts for the different presses of the scroll key. The scroll key shortcuts are not available if the active standby is on.

Operator logo—This setting is only available if you have received and saved an operator logo. Select **Off** if you do not want the logo to be shown.

Language

Phone language—Changing the language of the display texts in your device also affects the format used for date and time and the separators used, for example, in calculations. **Automatic** selects the language according to the information on your SIM card. After you change the display text language, the device restarts.

Changing the settings for **Phone language** or **Writing language** affects every application in your device, and the

change remains effective until you change these settings again.

Writing language—Changing the language affects the characters and special characters available when writing text and the predictive text dictionary used.

Predictive text—Set the predictive text input **On** or **Off** for all editors in the device. The predictive text dictionary is not available for all languages.

Cover display

Brightness—Close the fold, and use the volume key to adjust the brightness on the cover display.

Answer if fold opened—Select **Yes** if you want to answer incoming calls by opening the fold.

Sleep mode—Select whether the display is switched off to save battery power after the power saver is activated. When the display is switched off, an LED blinks to indicate that the device is powered on.

Enhancement

For enhancement indicators, see 'Essential indicators', p. 17. Some enhancement connectors do not indicate which type of an enhancement is connected to the device.

The available settings depend on the type of enhancement. Select an enhancement and from the following:

Default profile—Set the profile that you want activated each time you connect a certain compatible enhancement to your device. See 'Profiles—set tones', p. 47.

Automatic answer—Set if you want the device to answer an incoming call automatically after 5 seconds. If the ringing type is set to **Beep once** or **Silent**, automatic answer is disabled.

Lights—Set whether lights remain on, or are switched off after the time-out. This setting is not available for all enhancements.

If you are using a **Text phone** or a **Loopset**, you must activate it on your device. To activate **Text phone**, select **Text phone > Use text phone > Yes**. To activate the loopset, select **Loopset > Use loopset > Yes**.

Security

To edit settings related to the security, press , and select **Tools > Settings > General > Security > Phone and SIM card, Certificate management, or Security module**.

Phone and SIM card

PIN code request—When active, the code is requested each time the device is switched on. Deactivating the personal identification number (PIN) code request may not be allowed by some SIM cards.

PIN code, PIN2 code, and Lock code—You can change the lock code, PIN code, and PIN2 code. These codes can only include the numbers from **0** to **9**. If you forget any of these codes, contact your service provider. See 'Glossary of PIN and lock codes', p. 101.

Avoid using access codes similar to the emergency numbers to prevent accidental dialing of the emergency number.

Keypad autolock period—Select whether the keypad is locked when your device has been idle for a certain period of time.

 **Tip!** To lock or unlock the keypad manually, press , then *****

Phone autolock period—To avoid unauthorized use, you can set a time-out after which the device automatically locks. A locked device cannot be used until the correct lock code is entered. To turn off the autolock period, select **None**.

See 'Glossary of PIN and lock codes', p. 101.

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

 **Tip!** To lock the device manually, press . A list of commands opens. Select **Lock phone**.

Lock if SIM card changed—You can set the device to ask for the lock code when an unknown SIM card is inserted into your device. The device maintains a list of SIM cards that are recognized as the owner's cards.

Closed user group—You can specify a group of people to whom you can call and who can call you (network service).

When calls are limited to closed user groups, calls may be possible to the official emergency number programmed into your device.

Confirm SIM services—You can set the device to display confirmation messages when you are using a SIM card service (network service).

Glossary of PIN and lock codes

If you forget any of these codes, contact your service provider.

Personal identification number (PIN) code—This code protects your SIM card against unauthorized use. The PIN code (4 to 8 digits) is usually supplied with the SIM card. After three consecutive incorrect PIN code entries, the code is blocked, and you need the PUK code to unblock it.

UPIN code—This code may be supplied with the USIM card. The USIM card is an enhanced version of the SIM card and is supported by UMTS mobile phones.

PIN2 code—This code (4 to 8 digits) is supplied with some SIM cards, and is required to access some functions in your device.

Lock code (also known as security code)—This code (5 digits) can be used to lock the device to avoid unauthorized use. The factory setting for the lock code is **12345**. To avoid unauthorized use of your device, change the lock code. Keep the new code secret and in a safe place separate from your device. If you forget the code, contact your service provider.

Personal unblocking key (PUK) code and PUK2 code—These codes (8 digits) are required to change a blocked PIN code or PIN2 code, respectively. If the codes are not supplied with the SIM card, contact the operator whose SIM card is in your device.

UPUK code—This code (8 digits) is required to change a blocked UPIN code. If the code is not supplied with the USIM card, contact the operator whose USIM card is in your device.

Certificate management

Digital certificates do not guarantee safety; they are used to verify the origin of software.

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

Digital certificates should be used if you want to connect to an online bank or another site or remote server for actions that involve transferring confidential information. They should also be used if you want to reduce the risk of viruses or other malicious software and be sure of the authenticity of software when downloading and installing software.

 **Important:** Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If "Expired certificate" or "Certificate not valid yet" is shown even if the certificate should be valid, check that the current date and time in your device are correct.

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

View certificate details—check authenticity

You can only be sure of the correct identity of a server when the signature and the period of validity of a server certificate have been checked.

You are notified if the identity of the server is not authentic or if you do not have the correct security certificate in your device.

To check certificate details, scroll to a certificate, and select **Options > Certificate details**. When you open certificate details, the validity of the certificate is checked, and one of the following notes may be displayed:

Certificate not trusted—You have not set any application to use the certificate. See 'Change the trust settings', p. 102.

Expired certificate—The period of validity has ended for the selected certificate.

Certificate not valid yet—The period of validity has not yet begun for the selected certificate.

Certificate corrupted—The certificate cannot be used. Contact the certificate issuer.

Change the trust settings

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

Scroll to an authority certificate, and select **Options** > **Trust settings**. Depending on the certificate, a list of the applications that can use the selected certificate is shown.

Symbian installation: Yes—The certificate is able to certify the origin of a new Symbian operating system application.

Internet: Yes—The certificate is able to certify servers.

App. installation: Yes—The certificate is able to certify the origin of a new Java™ application.

Select **Options** > **Edit trust setting** to change the value.

Security module

To view or edit a security module (if available) in **Security module**, scroll to it, and press . To view detailed information about a security module, scroll to it, and select **Options** > **Security details**.

Factory settings

To reset some of the settings to their original values, select **Tools** > **Settings** > **General** > **Factory settings**. To do this, you need the lock code. See 'Phone and SIM card', p. 100. After resetting, the device may take a longer time to power on. Documents and files are unaffected.

Positioning

Select the used **Positioning methods** to detect the location of your device: **Bluetooth GPS** to use a compatible external GPS receiver with Bluetooth connectivity, and **Network based** to use information from the cellular network (network service). The location information can be used by compatible applications in your device.

Phone



To edit the settings related to making and receiving calls, press , and select **Tools** > **Settings** > **Phone** > **Call**, **Call divert**, **Call barring**, or **Network**.

Call

Send my caller ID—You can set your phone number to be displayed to (**Yes**) or hidden from (**No**) the person to whom you are calling, or the value may be set by your service provider when you make a subscription (**Set by network**) (network service).

Call waiting—If you have activated call waiting (network service), the network notifies you of a new incoming call while you have a call in progress. Set the function on (**Activate**) or off (**Cancel**), or check whether the function is activated (**Check status**).

Reject call with SMS—Select **Yes** to send a text message to a caller informing why you could not answer the call. See 'Answer or decline a call', p. 84.

Message text—Write a text to be sent in a text message when you reject a call.

Image in video call—If video is not sent during a video call, you can select a still image to be displayed instead.

Automatic redial—Select **On**, and your device makes a maximum of 10 attempts to connect the call after an unsuccessful call attempt. To stop automatic redialing, press .

Show call duration—Activate this setting if you want the length of a call to be displayed during the call.

Summary after call—To have the duration of a call briefly displayed after the call, select **On**.

Speed dialling—Select **On**, and the numbers assigned to the speed dialing keys (**2** - **9**) can be dialed by pressing and holding the key. See also 'Speed dial a phone number', p. 79.

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

Line in use—This setting (network service) is shown only if the SIM card supports two subscriber numbers, that is, two phone lines. Select which phone line you want to use

for making calls and sending text messages. Calls on both lines can be answered irrespective of the selected line. If you select **Line 2** and have not subscribed to this network service, you will not be able to make calls. When line 2 is selected, **2** is shown in the standby mode.

 **Tip!** To switch between the phone lines, press and hold **#** in the standby mode.

Line change—To prevent line selection (network service), select **Disable** if supported by your SIM card. To change this setting, you need the PIN2 code.

Call divert

Call divert allows you to divert your incoming calls to your voice mailbox or another phone number. For details, contact your service provider.

Select which calls you want to divert and the desired diverting option. To divert voice calls when your number is busy or when you reject incoming calls, select **If busy**. Set the option on (**Activate**) or off (**Cancel**), or check whether the option is activated (**Check status**).

Several diverting options can be active at the same time. When all calls are diverted,  is shown in the standby mode.

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

Call barring

Call barring (network service) allows you to restrict the calls that you make or receive with the device. To change the settings, you need the barring password from your service provider.

Select the desired barring option, and set it on (**Activate**) or off (**Cancel**), or check whether the option is active (**Check status**). **Call barring** affects all calls, including data calls.

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

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

Network

Your device can automatically switch between the GSM and UMTS networks. The GSM network is indicated with  in the standby mode. The UMTS network is indicated with **3G**.

Network mode (shown only if supported by the wireless service provider)—Select which network to use. If you select **Dual mode**, the device uses the GSM or UMTS network automatically, according to the network parameters and the roaming agreements between the

wireless service providers. Contact your service provider for more details.

Operator selection—Select **Automatic** to set the device to search for and select one of the available networks, or **Manual** to manually select the network from a list of networks. If the connection to the manually selected network is lost, the device sounds an error tone and asks you to reselect a network. The selected network must have a roaming agreement with your home cellular network.

 **Glossary:** A roaming agreement is an agreement between two or more network service providers to enable the users of one service provider to use the services of other service providers.

Cell info display—Select **On** to set the device to indicate when it is used in a cellular network based on microcellular network (MCN) technology and to activate cell info reception.

Connection



To edit access point and other connection settings, press , and select **Tools > Settings > Connection > Bluetooth, USB, Access points, Packet data, Data call, SIP settings, Configurations, or Access point name control**.

For USB settings, see 'USB', p. 61.

For Bluetooth settings, see 'Settings', p. 59.

Data connections and access points

Your device supports packet data connections (network service), such as GPRS in the GSM network. When you use your device in GSM and UMTS networks, multiple data connections can be active at the same time, and access points can share a data connection. In the UMTS network, data connections remain active during voice calls.

To establish a data connection, an access point is required. You can define different kinds of access points, such as:

- MMS access point to send and receive multimedia messages
- Internet access point (IAP) to send and receive e-mail and connect to the internet

Check the type of access point you need with your service provider for the service you want to access. For availability and subscription to packet data connection services, contact your service provider.

Access points

You may receive access point settings in a message from a service provider. See 'Data and settings', p. 70. Some or all access points may be preset for your device by your service provider, and you may not be able to change,

create, edit, or remove them.  indicates a protected access point, and  indicates a packet data access point.

To create a new access point, select **Options > New access point**.

To edit the settings of an access point, select **Options > Edit**. Follow the instructions from your service provider.

Connection name—Enter a descriptive name for the connection.

Data bearer—Select the data connection type.

Depending on the data connection you select, only certain setting fields are available. Fill in all fields marked with **Must be defined** or with a red asterisk. Other fields can be left empty, unless you have been instructed otherwise by your service provider.

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

Packet data access points

Follow the instructions from your service provider.

Access point name—You obtain the access point name from your service provider.

User name—The user name may be needed to make a data connection, and is usually provided by the service provider.

Prompt password—If you must enter the password every time you log in to a server, or if you do not want to save your password in the device, select **Yes**.

Password—A password may be needed to make a data connection, and is usually provided by the service provider.

Authentication—Select **Normal** or **Secure**.

Homepage—Depending on the access point you are setting up, enter the web address or the address of the multimedia messaging center.

Select **Options** > **Advanced settings** to change the following settings:

Network type—Select the internet protocol type to use: **IPv4** or **IPv6**. The other settings depend on the selected network type.

Phone IP address (for IPv4 only)—Enter the IP address of your device.

DNS address—In **Primary DNS address**, enter the IP address of the primary DNS server. In **Secondary DNS address**, enter the IP address of the secondary DNS server. Contact your internet service provider to obtain these addresses.

Proxy server address—Define the address for the proxy server.

Proxy port number—Enter the proxy port number.

Packet data

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

Packet data connection—If you select **When available** and you are in a network that supports packet data, the device registers to the packet data network. Starting an active packet data connection (for example, to send and receive e-mail) is quicker. If there is no packet data coverage, the device periodically tries to establish a packet data connection. If you select **When needed**, the device uses a packet data connection only if you start an application or action that needs it.

Access point—The access point name is needed to use your device as a packet data modem to your computer.

Data call

The data call settings affect all access points using a GSM data call connection.

Online time—Set the data calls to automatically disconnect after a time-out if there is no activity. To enter a time-out, select **User defined**, and enter the time in minutes. If you select **Unlimited**, data calls are not automatically disconnected.

SIP settings

SIP (session initiation protocol) settings are needed for certain network services using SIP, such as video sharing. You may receive the settings in a special text message from your service provider. You can view, delete, or create these setting profiles in [SIP settings](#).

Configurations

You may receive trusted server settings from your service provider in a configuration message. You can save view or delete these settings in [Configurations](#).

Access point name control

With [Access point name control](#) service, you can restrict packet data connections and allow your device to use only certain packet data access points.

This setting is only available if your SIM card supports the access point control service.

To set the control service on or off or to change the allowed access points, select [Options](#) and the corresponding option. To change the options, you need your PIN2 code. Contact your service provider for the code.

Applications



To edit the settings of some of the applications in your device, press [⌘](#), and select [Tools](#) > [Settings](#) > [Applications](#). The settings are also available in each application by selecting the settings option.

Troubleshooting: Q&A

Access codes

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

A: The default lock code is **12345**. If you forget or lose the lock code, contact your device dealer.

If you forget or lose a PIN or PUK code, or if you have not received such a code, contact your wireless service provider.

For information about passwords, contact your access point provider, for example, a commercial internet service provider (ISP) or wireless service provider.

Battery

Q: Why does my battery drain fast?

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

Also packet data connections increase the demand on battery power. If you have set **Packet data connection to When available** in **Connection settings**, and there is no packet data coverage (GPRS), your device periodically tries to establish a packet data connection, which causes the increased demand on battery power.

To prolong the operating time of your device, turn the Bluetooth technology off when you do not need it. Also set **Packet data connection to When needed**. To close all the applications that are running in the background, and you

do not use, press and hold **⌘**, and select the applications from the list. Then exit the application.

Application not responding

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

A: Press and hold **⌘**. Scroll to the application, and press **⌘** to close the application.

Bluetooth connectivity

Q: Why can't I find my friend's device?

A: Check that both devices are compatible, have activated Bluetooth connectivity, and are not in hidden mode. Check also that the distance between the two devices is not over 10 meters (33 feet) and that there are no walls or other obstructions between the devices.

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

A: If another device is connected to your device, you can either end the connection using the other device or by deactivating Bluetooth connectivity. Select **Tools > Bluetooth > Bluetooth > Off**.

Camera

Q: Why do images look smudgy?

A: Ensure that the camera lens protection windows are clean.

Display

Q: Why do missing, discolored, or bright dots appear on the screen every time I turn on my device?

A: This is a characteristic of this type of display. Some displays may contain pixels or dots that remain on or off. This is normal, not a fault.

Memory low

Q: What can I do if my device memory is low?

A: You can delete unused items saved in your device regularly to avoid memory getting low. See 'Memory low—free memory', p. 20.

To delete contact information, calendar notes, call timers, call cost timers, game scores, or any other data, go to the respective application to remove the data. If you are deleting multiple items and one of the following notes are shown: **Not enough memory to perform operation.**

Delete some data first. or **Memory low. Delete some data from phone memory.**, try deleting items one by one (starting from the smallest item).

To view what kind of data you have and how much memory the different data groups consume, press , and select **Tools > File manager > Options > Memory details.**

Q: How can I save my data before deleting it?

A: Save your data using one of the following methods:

- Use Nokia Nseries PC Suite to make a backup copy of all data to a compatible computer.
- Send images to your e-mail address, then save the images to your computer.

- Send data using Bluetooth connectivity to a compatible device.
- Store data on a compatible memory card.

Messaging

Q: Why can't I select a contact?

A: The contact card does not have a phone number or an e-mail address. Add the missing information to the contact card in **Contacts**.

Multimedia messaging

Q: The note **Retrieving message** is shown briefly. What is happening?

A: The device is trying to retrieve a multimedia message from the multimedia messaging center.

Check that the settings for multimedia messaging are defined correctly and that there are no mistakes in phone numbers or addresses. Press , and select **Messaging > Options > Settings > Multimedia msg..**

Q: How can I end the data connection when the device starts a data connection again and again?

A: To stop the device from making a data connection, press , and select **Messaging > Options > Settings > Multimedia message > Multimedia retrieval** and one of the following:

Manual—to have the multimedia messaging center save messages to be retrieved later. You receive a notification when there is a new multimedia message that you can retrieve in the multimedia message center.

Off—to ignore all incoming multimedia messages. After this change, the device does not make any network connections related to multimedia messaging.

PC connectivity

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

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

Q: Can I use my device as a fax modem with a compatible PC?

A: You cannot use your device as a fax modem. However, with call diverting (network service), you can divert incoming fax calls to another phone number.

Battery information

Charging and discharging

Your device is powered by a rechargeable battery. 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 replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery.

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.

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.

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

Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-)

terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 15°C and 25°C (59°F and 77°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

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

Do not dismantle or shred cells or batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of such a leak, flush your skin or eyes immediately with water, or seek medical help.

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

an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging, and inspect the hologram label using the following steps:

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

Authenticate hologram

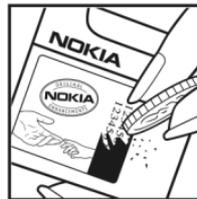
- 1 When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.



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



- 3 Scratch the side of the label to reveal a 20-digit code, for example, 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
- 4 Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.



To create a text message, enter the 20-digit code, for example, 12345678919876543210, and send to +44 7786 200276.

To create a text message,

- For countries in Asia Pacific, excluding India: Enter the 20-digit code, for example, 12345678919876543210, and send to +61 427151515.
- For India only: Enter **Battery** followed by the 20-digit battery code, for example, Battery 12345678919876543210, and send to 5555.

National and international operator charges will apply.

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

What if your battery is not authentic?

If you cannot confirm that your Nokia battery with the hologram on the label is an authentic Nokia battery, please do not use the battery. Take it to the nearest authorized Nokia service point or dealer for assistance. The use of a battery that is not approved by the manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device.

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

Care and maintenance

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 hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses, such as camera, proximity sensor, and light sensor lenses.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or

attachments could damage the device and may violate regulations governing radio devices.

- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes.
- 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 enhancement. If any device is not working properly, take it to the nearest authorized service facility for service.

Disposal



The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. Do not dispose of these products as unsorted municipal waste.

Return the products to collection to prevent possible harm to the environment or human health from uncontrolled waste disposal and to promote the sustainable reuse of material resources. Collection information is available from the product retailer, local waste authorities, national producer responsibility organizations, or your local Nokia representative. For more information, see product Eco-

Declaration or country-specific information at
www.nokia.com.

Additional safety information

Small children

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

Operating environment

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 1.5 centimeters (5/8 inches) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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

Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Medical devices

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

Implanted medical devices

Manufacturers of medical devices recommend that a minimum separation of 15.3 centimeters (6 inches) should be maintained 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 centimeters (6 inches) from the medical device when the wireless device is turned on.
- Not carry the wireless device in a breast pocket.
- Hold the wireless device to the ear opposite the medical device to minimize the potential for interference.
- Turn the wireless device off immediately if there is any reason to suspect that interference is taking place.

- Read and follow the directions from the manufacturer of their 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. If interference occurs, consult your service provider.

Vehicles

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

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

the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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

Potentially explosive environments

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

Emergency calls

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

To make an emergency call:

- 1 If the device is not on, switch it on. Check for adequate signal strength.
Some networks may require that a valid SIM card is properly inserted in the device.
- 2 Press the end key as many times as needed to clear the display and ready the device for calls.
- 3 Enter the official emergency number for your present location. Emergency numbers vary by location.
- 4 Press the call key.

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

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

Certification information (SAR)

THIS MOBILE DEVICE MEETS GUIDELINES FOR EXPOSURE TO RADIO WAVES.

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

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 1.04 W/kg.

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

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