

Nokia 6600 Slide User Guide

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CE 0434

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

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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.

Model number: 6600s-1c

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Safety

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

SWITCH ON SAFELY



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

ROAD SAFETY COMES FIRST



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

INTERFERENCE



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

SWITCH OFF IN RESTRICTED AREAS



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

QUALIFIED SERVICE



Only qualified personnel may install or repair this product.

ENHANCEMENTS AND BATTERIES



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

ENHANCEMENTS



Use only approved enhancements. Do not connect incompatible products.

WATER-RESISTANCE



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

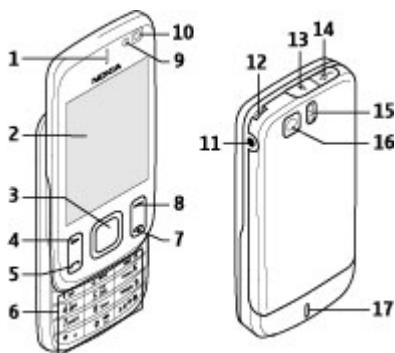
Looking for a little self-expression? Give your phone its own look and feel by choosing your own ringtones, display background and theme.

Make it your phone

Start up

Get to know your phone, insert the battery, SIM card, and memory card, and learn some important information about your phone.

Keys and parts



- 1 Earpiece
- 2 Display
- 3 Navi™ key (scroll key)
- 4 Left selection key
- 5 Call key
- 6 Keypad
- 7 End/Power key
- 8 Right selection key
- 9 Light sensor

- 10 Front camera
- 11 Charger connector
- 12 Strap eyelet
- 13 Back cover release button
- 14 USB cable connector
- 15 Camera flash
- 16 Main camera
- 17 Loudspeaker

Install SIM card and battery

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

This phone is intended for use with a BL-4U battery. Always use original Nokia batteries. [See "Nokia battery authentication guidelines", p. 42.](#)

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

- 1 Push the release button, and open the back cover. Remove the battery.



- 2 Open the SIM card holder. Insert the SIM card into the holder with the contact surface facing down. Close the SIM card holder.



- 3 Observe the battery contacts, and insert the battery. Replace the back cover.

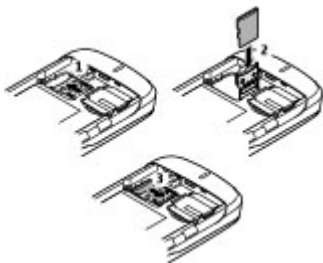


Insert a memory card

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

Your phone supports microSD cards of up to 4 GB.

- 1 Switch the device off, and remove the back cover and battery.



- 2 Slide the memory card holder to unlock.
- 3 Open the card holder, and insert the memory card into the holder with the contact surface facing inwards.

- 4 Close the card holder, and slide it to lock.
- 5 Replace the battery and back cover.

Charge the battery

Your battery has been precharged, but the charging levels may vary.

- 1 Connect the charger to a wall outlet.



- 2 Connect the charger to the device.
- 3 When the battery is fully charged, disconnect the charger from the device, then from the wall outlet.

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

- 1 Connect the USB cable to the USB port of a computer and to your device.
- 2 When the battery is full charged, disconnect the USB cable.

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

The charging time depends on the charger used. Charging a BL-4U battery with the AC-8 charger takes approximately 1 hour 30 minutes while the phone is in the standby mode.

Antenna



Your device may have internal and external antennas. As with any radio transmitting device, avoid touching the antenna area unnecessarily while the antenna is transmitting or receiving. Contact with such an antenna affects the communication quality and may cause the device to operate at a higher power level than otherwise needed and may reduce the battery life.

The figure shows the antenna area marked in grey.

Headset

Warning:

Listen to music at a moderate level. Continuous exposure to high volume may damage your hearing.

Warning:

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

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

Strap

- 1 Open the back cover.



- 2 Hook a strap behind the clamp, and close the back cover.

About your phone

The wireless device described in this guide is approved for use on the WCDMA 850 and 2100 and GSM 850, 900, 1800, and 1900. 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 protection may prevent some images, music, and other content from being copied, modified, or transferred.

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.

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.

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

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

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

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.

Functions without a SIM card

Some functions of your phone may be used without inserting a SIM card, such as **Organiser** functions and games. Some functions appear dimmed in the menus and cannot be used.

Keypad lock

To lock the keypad to prevent accidental keypresses, select **Menu**, and press * within 3 seconds.

To unlock the keypad, select **Unlock**, and press * within 1.5 seconds. If requested, enter the lock code.

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

Further features are **Automatic keyguard** and **Security keyguard**. See ["Phone settings", p. 12.](#)

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

Access codes

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

- The PIN (UPIN) code, supplied with the SIM (USIM) card, helps to protect the card against unauthorised use.
- The PIN2 (UPIN2) code, supplied with some SIM (USIM) cards, is required to access certain services.

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- PUK (UPUK) and PUK2 (UPUK2) codes may be supplied with the SIM (USIM) card. If you enter the PIN code incorrectly three times in succession, you are asked for the PUK code. If the codes are not supplied, contact your service provider.
- The security code helps to protect your phone against unauthorised use. You can create and change the code, and set the phone to request the code. Keep the code secret and in a safe place separate from your phone. If you forget the code and your phone is locked, your phone will require service and additional charges may apply. For more information, contact a Nokia Care point or your phone dealer.
- The barring password is required when using the call barring service to restrict calls to and from your phone (network service).
- To view or change the security module settings for the web browser, select **Menu > Settings > Security > Security module sett..**

Switch the phone on and off

To switch the phone on or off, press and hold the power key.

If the phone prompts for a PIN code, enter the code (displayed as ****).

If the phone prompts you for the time and date, enter the local time, select the time zone of your location in terms of the time difference with respect to Greenwich Mean Time (GMT), and enter the date. [See "Date and time", p. 34.](#)

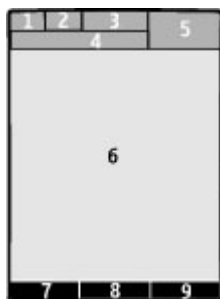
When you switch on your phone for the first time, you may be prompted to get the

configuration settings from your service provider (network service). For more information, refer to **Connect to support**. See ["Configuration", p. 18](#), and ["Configuration setting service", p. 38](#).

Standby mode

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

Display



- 1 Network type indicator and signal strength of the cellular network
- 2 Battery charge status
- 3 Indicators
- 4 Name of the network or the operator logo
- 5 Clock
- 6 Display
- 7 Function of the left selection key
- 8 Function of the scroll key
- 9 Function of the right selection key

You can change the function of the left and right selection key. [See "Left and right selection keys", p. 14.](#)

Power saving

Your phone has a **Power saver** and a **Sleep mode** feature in order to save battery power in the standby mode when no keys are pressed. These features may be activated. [See "Display", p. 14.](#)

Active standby

The active standby mode displays a list of selected phone features and information that you can access directly.

To activate or deactivate the active standby mode, select **Menu** > **Settings** > **Display** > **Active standby** > **Active standby mode**.

In the active standby mode, scroll up or down to navigate in the list, and select **Select** or **View**. The arrows indicate that further information is available. To stop navigation, select **Exit**.

To organise and change the active standby mode, select **Options** and from the available options.

Shortcuts in the standby mode

List of dialled numbers

Press the call key once. To make a call, scroll to the number or name, and press the call key.

Start the web browser

Press and hold 0.

Call the voice mailbox

Press and hold 1.

Use other keys as shortcuts

[See "Dialling shortcuts", p. 19.](#)

Indicators



You have unread messages.



You have unsent, cancelled, or failed messages.



You have missed calls.



The keypad is locked.



The phone does not ring for incoming calls or text messages. An alarm is set.



The phone is registered to the GPRS or EGPRS network.



The phone has an open GPRS or EGPRS connection.



The GPRS or EGPRS connection is suspended (on hold).



Bluetooth connectivity is turned on.



If you have two phone lines, the second phone line is selected.



All incoming calls are diverted to another number.




Calls are limited to a closed user group.



The currently active profile is timed.

Flight mode

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

To activate or set up the flight mode, select **Menu** > **Settings** > **Profiles** > **Flight** > **Activate** or **Personalise**.

To deactivate the flight mode, select any other profile.

Emergency call in flight mode

Enter the emergency number, press the call key, and when **Exit flight profile?** is displayed, select **Yes**.

Warning:

With the flight profile you cannot make or receive any calls, including emergency calls, or use other features that require network coverage. To make calls, you must first activate the phone function by changing profiles. If the device has been locked, enter the lock code. If you need to make an emergency call while the device is locked and in the flight profile, you may be also able to enter an official emergency number programmed in your device in the lock code field and select 'Call'. The device will confirm that you are about to exit flight profile to start an emergency call.

Tapping

The tap function allows you to quickly mute and reject calls and alarm tones, and to display a clock just by double-tapping the back or front of the phone when the slide is closed.

Select **Menu > Settings > Phone > Sensor settings** to activate the tap function and vibration feedback.

Mute calls or alarms

Double-tap the phone.

Reject a call or snooze an alarm after muting it

Double-tap the phone again.

Display the clock

Double-tap the phone.

If you have missed calls or received new messages, you must view them before you can see the clock.

Phone settings

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

Language settings — to set the display language of your phone, select **Phone language**. . To set a language for the voice commands, select **Recognition lang..**

Memory status — to check the memory consumption

Automatic keyguard — to lock the keypad automatically after a preset time when the phone is in the standby mode and no function has been used.

Security keyguard — to ask for the security code when you unlock the keyguard

Sensor settings — to activate and adjust the tapping function

Voice recognition — See "[Voice commands](#)", p. 15.

Flight query — to be asked whether to use the flight mode when you switch the phone on. With the flight mode, all radio connections are switched off.

Network mode — to use both the UMTS and the GSM network. You cannot access this option during an active call.

Operator selection — to set a cellular network available in your area

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

Start-up tone — to play a tone when you switch the phone on

Security settings

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

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

PIN code request or **UPIN code**

request — to request for your PIN or UPIN code every time the phone is switched on. Some SIM cards do not allow the code request to be turned off.

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

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

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

Closed user group — to specify a group of people whom you can call and who can call you (network service)

Security level — To request the security code when a new SIM card is inserted, select **Phone**. To request the security code when the SIM card memory is selected, and you want to change the memory in use, select **Memory**.

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

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

Authority certificates or **User certificates** — to view the list of the authority or user certificates downloaded into your phone. [See "Browser security", p. 32.](#)

Security module sett. — to view security module details, activate the module PIN request, or change the module PIN and signing PIN. [See "Access codes", p. 9.](#)

Personalise your phone

Give your phone a personal touch with ringing tones, display backgrounds, and themes. Add shortcuts for your preferred features, and attach enhancements.

Profiles

Your phone has various setting groups called profiles, which you can customise with ringing tones for different events and environments.

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

Activate — to activate the selected profile

Personalise — to change the profile settings

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

Themes

A theme contains elements for personalising your phone.

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

Select theme — Open the **Themes** folder, and select a theme.

Theme downloads — Open a list of links to download more themes.

Tones

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

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

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

Display

Select **Menu** > **Settings** > **Display** and from the following:

Wallpaper — to add a background image for the home screen mode

Active standby — to activate, organise, and personalise the home screen mode

Standby font colour — to select the font colour for the home screen mode

Navigation key icons — to display the scroll key icons in the home screen mode

Notification details — to display details in missed call and message notifications

Transition effects — to activate a smoother and more organic navigation experience

Slide animation — to display an animation when you open or close the slide

Power saver — to dim the display automatically, and to display a clock when

the phone is not used for a certain length of time

Sleep mode — to switch off the display automatically when the phone is not used for a certain length of time

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

Operator logo — to display the operator logo

Cell info display — to display the cell identity, if available from the network

My shortcuts

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

Left and right selection keys

To change the function assigned to the left or right selection key, select **Menu** > **Settings** > **My shortcuts** > **Left selection key** or **Right selection key** and the function.

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

Select options — to add or remove a function

Organise — to rearrange the functions

Other shortcuts

Select **Menu** > **Settings** > **My shortcuts** and from the following options:

Navigation key — to assign other functions from a predefined list to the navigation key (scroll key).

Active standby key — to select the movement of the navigation key to activate the active standby mode

Assign dialling shortcuts

Create shortcuts by assigning phone numbers to the number keys 3-9.

- 1 Select **Menu** > **Contacts** > **Speed dials**, and scroll to a number key.
- 2 Select **Assign**, or, if a number has already been assigned to the key, select **Options** > **Change**.
- 3 Enter a number or search for a contact.


Voice commands

Call contacts and use your phone by speaking a voice command.

Voice commands are language-dependent.

To set the language, select **Menu** > **Settings** > **Phone** > **Language settings** > **Recognition lang.** and your language.

To train the voice recognition to your voice, select **Menu** > **Settings** > **Phone** > **Voice recognition** > **Voice recog. training**.

To activate a voice command for a function, select **Menu** > **Settings** > **Phone** > **Voice recognition** > **Voice commands**, a feature, and the function.  indicates that the voice command is activated.

To activate the voice command, select **Add**.

To play the activated voice command, select **Play**.

To use voice commands, see ["Voice dialling"](#), p. 19.

To manage the voice commands, scroll to a function, select **Options** and from the following:

Edit or **Remove** — to rename or deactivate the voice command

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

Connect

Your phone provides several features to connect to other devices to transmit and receive data.

Bluetooth wireless technology

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


This device is compliant with Bluetooth Specification 2.0 + EDR supporting the following profiles: 2.0 + EDR generic access, network access, generic object exchange, advanced audio distribution, audio video remote control, handsfree, headset, object push, file transfer, dial-up networking, service discovery application, SIM access, and serial port. To ensure interoperability between other devices supporting Bluetooth technology, use Nokia approved enhancements for this model. Check with the manufacturers of other devices to determine their compatibility with this device.

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

Set up a Bluetooth connection

Select **Menu** > **Settings** > **Connectivity** > **Bluetooth** and take the following steps:

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- 1 Select **My phone's name** and enter a name for your phone.
- 2 To activate Bluetooth connectivity select **Bluetooth > On**.  indicates that Bluetooth is active.
- 3 To connect your phone with an audio enhancement, select **Connect audio enhan.** and the device that you want to connect to.
- 4 To pair your phone with any Bluetooth device in range, select **Paired devices > Add new device**. Scroll to a found device, and select **Add**.
Enter a passcode (up to 16 characters) on your phone and allow the connection on the other Bluetooth device.

If you are concerned about security, turn off the Bluetooth function, or set **My phone's visibility** to **Hidden**. Accept Bluetooth communication only from those you trust.

PC connection to the internet

Use Bluetooth technology to connect your compatible PC to the internet without PC Suite software. Your phone must have activated a service provider that supports internet access, and your PC has to support Bluetooth personal area network (PAN). After connecting to the network access point (NAP) service of the phone, and pairing with your PC, your phone automatically opens a packet data connection to the internet.

Packet data

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

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

When needed — to set the packet data connection to established when required by an application. The connection will be cut when the application is closed.

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

You can use your phone as a modem by connecting it to a compatible PC using Bluetooth technology or a USB data cable. For details, see Nokia PC Suite documentation. [See "Nokia support", p. 37.](#)

USB data cable

You can use the USB data cable to transfer data between the phone and a compatible PC or a printer supporting PictBridge.

To activate the phone for data transfer or image printing, connect the data cable and select the mode:

PC Suite — to use the cable for Nokia PC Suite

Printing & media — to use the phone with a PictBridge compatible printer or with a compatible PC

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

To change the USB mode, select **Menu > Settings > Connectivity > USB data cable** and the desired USB mode.

Synchronisation and backup

Select **Menu > Settings > Sync and backup** and from the following:

Phone switch — Synchronise or copy selected data between your phone and another phone using Bluetooth technology.

Create backup — Create a backup of selected data to the memory card or to an external device.

Restore backup — Select a backup file stored on the memory card or on an external device and restore it to the phone. Select **Options** > **Details** for information about the selected backup file.

Data transfer — Synchronise or copy selected data between your phone and another device, PC, or network server (network service).

Connect a USB device

You can connect a USB storage (for example, a memory stick) to your device and browse in the file system and transfer files.

- 1 Connect a compatible adapter cable to the USB port of your device.
- 2 Connect the USB storage to the adapter cable.
- 3 Select **Menu** > **Gallery** and the USB device to browse.

Note: Not all USB storage devices are supported, depending on their power consumption.

Network provider services

Your network provider provides several additional services you may want to use. For some of these services, charges may apply.

Operator menu

Access a portal to services provided by your network operator. For more information, contact your network operator. The operator can update this menu with a service message.

SIM services

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

Accessing these services may involve sending messages or making a phone call for which you may be charged.

Info messages, SIM messages, and service commands

Info messages

You can receive messages on various topics from your service provider (network service). For more information, contact your service provider.

Select **Menu** > **Messaging** > **Info messages** and from the available options.

Service commands

Service commands allow you to write and send service requests (USSD commands) to your service provider, such as activation commands for network services.

To write and send the service request, select **Menu** > **Messaging** > **Serv. commands**. For details, contact your service provider.

SIM messages

SIM messages are specific text messages that are saved to your SIM card. You can copy or move those messages from the

SIM to the phone memory, but not vice versa.

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

Configuration

You can configure your phone with settings that are required for certain services. You may receive these settings as a configuration message from your service provider. [See "Configuration setting service", p. 38.](#)

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

Default config. sett. — to view the service providers saved in the phone, and to set a default service provider

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

Preferred access pt. — to view the saved access points

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

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

Want to talk, chat or send messages? Making calls and sending messages is at the heart of what a phone's all about.

Stay in touch

Make calls

Make a voice call

You can start a call in several ways:

Manual dialling

Enter the phone number, including the area code, and press the call key.

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

Repeat a call

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

Select a number from Contacts

Search for a name or phone number that you saved in Contacts.

Select **Menu > Settings > Call > Slide call handling** to handle calls with the slide.

Answer an incoming call

Press the call key, or open the slide.

End a call

Press the end key, or close the slide.

Mute the ringing tone

Select **Silence**.

Reject an incoming call

Press the end key.

Adjust the volume in a call

Scroll left or right.

Make a video call

In a video call, the video recorded with the front camera on your phone is shown to the video call recipient. To make a video call, you must have a USIM card and be connected to a WCDMA network. For availability and subscription to video call services, contact your service provider. The video call can be made to a compatible phone or an ISDN client between two parties. Video calls cannot be made while another voice, video, or data call is active.

- 1 To start a video call, enter the phone number, including the area code.
- 2 Press and hold the call key, or select **Options > Video call**.

Starting a video call may take a while. If the call is not successful, you are asked to try a voice call or send a message instead.

- 3 To end the call, press the end key.

Dialling shortcuts

First assign a phone number to one of the number keys, 2 to 9. [See "Assign dialling shortcuts", p. 15.](#)

Use a dialling shortcut to make a call in one of the following ways:

- Press a number key, then the call key.
- If **Menu > Settings > Call > Speed dialling > On** is selected, press and hold a number key.

Voice dialling

Make a phone call by saying the name that is saved in Contacts.

As voice commands are language-dependent, before voice dialling, you must select **Menu > Settings > Phone > Language settings > Recognition lang.** and your language.

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

- 1 In the standby mode, press and hold the right selection key. A short tone sounds, and **Speak now** is displayed.
- 2 Say the name of the contact you want to dial. If the voice recognition is successful, a list with matches is shown. The phone plays the voice command of the first match on the list. If it is not the correct command, scroll to another entry.

Options during a call

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

During a call, select **Options** and from the available options.

Some of the network options are **Hold**, **New call**, **Add to conference**, **End all calls**, and the following:

Send DTMF — to send tone strings

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

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

Conference — to make a conference call

Private call — to have a private discussion in a conference call

Warning:

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

Voice messages

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

Call your voice mailbox

Press and hold 1.

Edit your voice mailbox number

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

Video messages

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

Call your video mailbox

Press and hold 2.

Edit your video mailbox number

Select **Menu > Messaging > Video messages > Voice mailbox no..**

Call log

To view the information on your calls, messages, data, and synchronisation, select **Menu > Log** and from the available options.

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

Call settings

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

Call divert — to forward your incoming calls (network service). You may not be able to forward your calls if some call barring functions are active.

Anykey answer — to answer an incoming call by briefly pressing any key, except the power key, the left and right selection keys, or the end key

Automatic redial — to automatically redial the number if a call fails. The phone tries to call the number 10 times.

Video-voice redial — the phone automatically repeats a voice call to the same number to which a video call has failed

Voice clarity — to enhance speech intelligibility, especially in noisy environments

Speed dialling — to dial the names and phone numbers assigned to the number keys (2 to 9) by pressing and holding the corresponding number key

Call waiting — to have the network notify you of an incoming call while you have a call in progress (network service)

Summary after call — to briefly display the approximate duration after each call

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

Slide call handling — to set the phone to answer calls when you open the slide and to end calls when you close the slide

Outgoing call line — to select the phone line for making calls, if your SIM card supports multiple phone lines (network service)

Video sharing — to define video sharing settings



Text and messages



Write text, and create messages, e-mail, and notes.


Write text

Text modes

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

When you write text, press and hold **Options** to switch between traditional text input, indicated by , and predictive text input, indicated by . Not all languages are supported by predictive text input.

The character cases are indicated by , and .

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

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

Traditional text input

Press a number key, 2-9, repeatedly until the desired character appears. The available characters depend on the selected writing language.

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

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

Predictive text input

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

- 1 Start writing a word, using the keys **2** to **9**. Press each key only once for one letter.
- 2 To confirm a word, scroll right or add a space.
 - If the word is not correct, press ***** repeatedly, and select the word from the list.
 - If the **?** character is displayed after the word, the word you intended to write is not in the dictionary. To add the word to the dictionary, select **Spell**. Enter the word using traditional text input, and select **Save**.
 - To write compound words, enter the first part of the word, and scroll right to confirm it. Write the last part of the word, and confirm the word.

- 3 Start writing the next word.

Text and multimedia messages

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

Text messages

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

An indicator at the top of the display shows the total number of characters left and the number of messages needed for sending.

Before you can send any text or SMS e-mail messages, you must save your message centre number. Select **Menu > Messaging > Message settings > Text messages > Message centres > Add centre**, enter a name, and the number from the service provider.

Multimedia messages

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

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

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

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

For availability and subscription to the multimedia messaging service (MMS), contact your service provider. You may also download the configuration settings. See "[Nokia support](#)", p. 37.

Create a text or multimedia message

- 1 Select **Menu > Messaging > Create message > Message**.
- 2 To add recipients, scroll to the **To:** field, and enter the recipient's number or e-mail address, or select **Add** to select recipients from the available options. Select **Options** to add recipients and subjects and to set sending options.
- 3 Scroll to the **Text:** field, and enter the message text.
- 4 To attach content to the message, scroll to the attachment bar at the bottom of the display and select the desired type of content.
- 5 To send the message, press **Send**.

The message type is indicated at the top of the display and changes automatically depending on the content of the message.

Service providers may charge differently depending on the message type. Check with your service provider for details.

Read a message and reply

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

Your phone issues a notification when you receive a message. Select **View** to display the message. If more than one message was received, to display a message, select the message from the Inbox and **Open**. Use the scroll key to view all parts of the message.

To create an answer message, select **Reply**.

Send and organise messages

To send a message, select **Send**. The phone saves the message in the Outbox folder, and the sending starts.

Note: The message sent icon or text on your device screen does not indicate that the message is received at the intended destination.

If message sending is interrupted, the phone tries to resend the message a few times. If these attempts fail, the message remains in the Outbox folder. To cancel message sending, in the Outbox folder, select **Options > Cancel sending**.

To save the sent messages in the Sent items folder, select **Menu > Messaging > Message settings > General settings > Save sent messages**.

The phone saves received messages in the Inbox folder. Organise your messages in the Saved items folder.

To add, rename, or delete a folder, select **Menu > Messaging > Saved items > Options**.

E-mail

Access your POP3 or IMAP4 e-mail account with your phone to read, write, and send e-mail. This e-mail application is different from the SMS e-mail function.

Before you can use e-mail, you must have an e-mail account and the correct settings. For availability and the correct settings, contact your e-mail service provider. You may receive the e-mail configuration settings as a configuration message. [See "Configuration setting service", p. 38.](#)

E-mail setup wizard

The e-mail setup wizard starts automatically if no e-mail settings are defined in the phone. To start the setup wizard for an additional e-mail account, select **Menu > Messaging** and the existing e-mail account. Select **Options > Add mailbox** to start the e-mail setup wizard. Follow the instructions on the display.

Write and send an e-mail

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

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

Read an e-mail and reply

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

- 1 To download e-mail message headers, select **Menu > Messaging** and your e-mail account.
- 2 To download an e-mail and its attachments, select the e-mail and **Open** or **Retrieve**.
- 3 To reply to or forward the e-mail, select **Options** and from the available options.
- 4 To disconnect from your e-mail account, select **Options > Disconnect**. The connection to the e-mail account automatically ends after some time without activity.

New e-mail notifications

Your phone can automatically check your e-mail account in time intervals and issue a notification when new e-mail is received.

- 1 Select **Menu > Messaging > Message settings > E-mail messages > Edit mailboxes**.
- 2 Select your e-mail account, **Downloading sett.**, and the following options:

Mailbox upd. interval — to set how often your phone checks your e-mail account for new e-mail

Automatic retrieval — to retrieve new e-mail automatically from your e-mail account

- 3 To enable the new e-mail notification, select **Menu > Messaging > Message settings > E-mail**

messages > New e-mail notif. > On.

Flash messages

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

- 1 To write a flash message, select **Menu > Messaging > Create message > Flash message**.
- 2 Enter the recipient's phone number, write your message (maximum 70 characters), and select **Send**.

Instant messaging

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

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

Nokia Xpress audio messages

Create and send an audio message using MMS in a convenient way.

- 1 Select **Menu > Messaging > Create message > Audio message**. The voice recorder opens.
- 2 Record your message. [See "Voice recorder", p. 30.](#)
- 3 Enter one or more phone numbers in the **To:** field, or select **Add** to retrieve a number.
- 4 To send the message, select **Send**.

Message settings

Select **Menu > Messaging > Message settings** and from the following:

General settings — to save copies of sent messages in your phone, to overwrite old messages if the message memory becomes full, and to set up other preferences related to messages

Text messages — to allow delivery reports, to set up message centres for SMS and SMS e-mail, to select the type of character support, and to set up other preferences related to text messages

Multimedia messages — to allow delivery reports, to set up the appearance of multimedia messages, to allow the reception of multimedia messages and advertisements, and to set up other preferences related to multimedia messages

E-mail messages — to allow e-mail reception, to set the image size in e-mail, and to set up other preferences related to e-mail

Service messages — to activate service messages and to set up preferences related to service messages

Where's that picture? Store your high-resolution pictures and video clips in the phone's gallery

Image and video

Capture an image

Activate the still camera

Select **Menu > Media > Camera**; or, if the video function is on, scroll left or right.

Zooming

In the camera mode, scroll up and down.

Capture an image

Select **Capture**. The phone saves the images on the memory card, if available, or in the phone memory.

Select **Options > Flash > Flash on** to capture all images with camera flash, or **Automatic** to activate the flash automatically when the light conditions are dim.

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.

To display an image immediately after you take it, select **Options > Settings > Image preview time** and the preview time. During the preview time, select **Back** to capture another image, or **Send** to send the image as a multimedia message.

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

Record a video clip

Activate video function

Select **Menu > Media > Video**, or, if the camera function is on, scroll left or right.

Video recording

To start recording, select **Record**; to pause recording, select **Pause**; to resume recording, select **Continue**; to stop recording, select **Stop**.

The phone saves the video clips on the memory card, if available, or in the phone memory.

Camera and video options

In the camera or video mode, select **Options** and from the following:

Effects — Apply different effects (for example, greyscale and false colour) to the captured image.

White balance — Adapt the camera to the current light conditions.

Settings — Change other camera and video settings, and select the image and video storage.

Gallery

Manage images, video clips, music files, themes, graphics, tones, recordings, and received files. These files are stored in the phone memory or an attached memory card and may be arranged in folders.

Your phone supports an activation key system to protect acquired content. Always check the delivery terms of any content and activation key before

acquiring them, because they may be subject to a fee.

Folders and files

To view the list of folders, select **Menu > Gallery**.

To view the list of files in a folder, select a folder and **Open**.

To view the folders of the memory card when moving a file, scroll to the memory card, and press the scroll key right.


Memory card

Use a memory card to store your multimedia files, such as video clips, music tracks, sound files, images, and messaging data.

Some of the folders in **Gallery** with content that the phone uses (for example, **Themes**) may be stored on the memory card.


Format the memory card

Some supplied memory cards are preformatted; others require formatting. When you format a memory card, all data on the card is permanently lost.

- 1 To format a memory card, select **Menu > Gallery or Applications**, the memory card folder , and **Options > Format mem. card > Yes**.
- 2 When formatting is complete, enter a name for the memory card.

Lock the memory card

To set a password (maximum 8 characters) to lock your memory card against unauthorised use, select the

memory card folder  and **Options** > **Set password**.

Nokia product support pages or your local Nokia website.

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

To remove the password, select **Options** > **Delete password**.

Check memory consumption

To check the memory consumption of different data groups and the available memory to install new software on your memory card, select the memory card

 and **Options** > **Details**.

Print images

Your phone supports Nokia XpressPrint to print images that are in the JPEG format.

- 1 Connect your phone with a USB data cable to a compatible printer.
- 2 Select the image you want to print and **Options** > **Print**.

Share images and videos online

Share images and video clips in compatible online sharing services on the web.

To use online sharing, you must subscribe to an online sharing service.

To upload an image or a video clip to an online sharing service, select the file from Gallery and **Options** > **Send** > **Upload to web**.

For more information on online sharing and compatible service providers, see the

Want a little relaxation at the end of the day? Simply transfer your favourite music and MP3 files to your phone's music player.

Entertainment

Listen to music

Listen to music with the music player or radio, and record sounds or voice with the voice recorder. Download music from the internet, or transfer music from your PC.

Music player

Your phone includes a music player for listening to songs or other MP3 or AAC sound files that you have downloaded from the web or transferred to the phone with Nokia PC Suite. [See "Nokia PC Suite", p. 35](#). You can also view your recorded or downloaded video clips.

Music and video files stored in the music folder in the phone memory or on the memory card are automatically detected and added to the music library.

To open the music player, select **Menu > Media > Music player**.

Music menu

Access your music and video files stored in the phone or on the memory card, download songs or video clips from the web, or view compatible video streams from a network server (network service).

To listen to music or play a video clip, select a file from a folder and **Play**.

To download files from the web, select **Options > Downloads** and a download site.

To update the music library after you have added songs, select **Options > Update library**.

Create a playlist

To create a playlist with your selection of music:

- 1 Select **Playlists > Create playlist**, and enter the name of the playlist.
- 2 Add songs or video clips from the displayed lists.
- 3 Select **Done** to store the playlist.

Configure a streaming service

You may receive the streaming settings as a configuration message from the service provider. [See "Configuration setting service", p. 38](#). You can also enter the settings manually. [See "Configuration", p. 18](#).

To activate the settings:

- 1 Select **Options > Downloads > Streaming settings > Configuration**.
- 2 Select a service provider, **Default**, or **Personal config.** for streaming.
- 3 Select **Account** and a streaming service account from the active configuration settings.

Play songs

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.

Operate the music player with the virtual keys on the display.

Start playing

Select .

Pause playing

Select .

Adjust the volume

Press the scroll key up or down.


Skip to the next song

Select .


Skip to the beginning of the previous song

Select  twice

Fast-forward

Select and hold .

Rewind

Select and hold .

Close the music player menu

Press the end key. The music continues playing.

Stop the music player

Press and hold the end key.

Change the music player look

Your phone provides several themes to change the look of the music player.

Select **Menu > Media > Music player > Go to Music player > Options > Settings > Music player theme** and one of the listed themes. The virtual keys may change depending on the theme.

Radio





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.

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.

Select **Menu > Media > Radio**.

To adjust the volume, select **Options > Volume**.

To use the graphical keys , , , or  on the display, scroll up, down, left, or right.

Tune radio stations

- 1 To start the search, select and hold  or . To change the radio frequency in 0.05 MHz steps, briefly select  or .
- 2 To save a station to a memory location, select **Options > Save station**.



- 3 To enter the name of the radio station, select **Options** > **Stations** > **Options** > **Rename**.

Select **Options** and from the following:

Search all stations — to automatically search for the available stations at your location

Set frequency — to enter the frequency of the desired radio station

Stations — to list and rename or delete saved stations

To change stations, select  or , or press the number keys corresponding to the number of the station in the station list.

Radio settings

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

RDS enabled — Display information from the radio data system (RDS).

Auto-freq. change on — Enable the automatic switch to a frequency with the best reception of the tuned in station (available when RDS is activated).

Stereo output or Mono

output — Activate the stereo or mono output.

Radio theme — Select a radio theme.

Equaliser

Adjust the sound when using the music player.

Select **Menu** > **Media** > **Equaliser**.

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

Create a new equaliser set

- 1 Select one of the last two sets in the list and **Options** > **Edit**.
- 2 Scroll left or right to access the virtual sliders and up or down to adjust the slider.
- 3 To save the settings and create a name for the set, select **Save** and **Options** > **Rename**.




Stereo widening

Stereo widening creates a wider stereo sound effect when you are using a stereo headset.




To activate, select **Menu** > **Media** > **Stereo widening**.

Voice recorder

Record speech, sound, or an active call, and save them in **Gallery**.

Select **Menu** > **Media** > **Voice recorder**. To use the graphical keys , , or  on the display, scroll left or right.

Record sound

- 1 Select , or, during a call, select **Options** > **Record**. While recording a call, all parties to the call hear a faint beeping. To pause the recording, select .
- 2 To end the recording, select . The recording is saved in the Recordings folder in **Gallery**.

Select **Options** to play or send the last recording, to access the list of recordings, or to select the memory and the folder to store the recordings.

Web

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

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

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

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

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

To set up the service, select **Menu > Internet > Web settings > Configuration sett.**, a configuration, and an account.

Connect to a service

Connect to the web service

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

Show list of bookmarks

Select **Menu > Internet > Bookmarks**.

Connect to the web address used the last time

Select **Menu > Internet > Last web addr.**

Enter a web address and connect to it

Select **Menu > Internet > Go to address**. Enter the address, and select **OK**.

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

Appearance settings

While browsing the web, select **Options > Settings**. The available options may include the following:

Display — Select the font size, whether images are shown, and how the text is displayed.

General — Select whether web addresses are sent as Unicode (UTF-8), the encoding type for the contents, and whether JavaScript is enabled.

Cache memory

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

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

- 1 To clear the cache while browsing, select **Options > Tools > Clear the cache**.
- 2 To allow or prevent the phone from receiving cookies, select **Menu >**

Internet > Web settings > Security > Cookies; or, while browsing, select **Options > Settings > Security > Cookies.**

Browser security

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

To view or change the security module settings, or to view a list of authority or user certificates downloaded to your phone, select **Menu > Settings > Security > Security module sett., Authority certificates, or User certificates.**

Important: Even if the use of certificates makes the risks involved in remote connections and software installation considerably smaller, they must be used correctly in order to benefit from increased security. The existence of a certificate does not offer any protection by itself; the certificate manager must contain correct, authentic, or trusted certificates for increased security to be available. Certificates have a restricted lifetime. If "Expired certificate" or "Certificate not valid yet" is shown, even if the certificate should be valid, check that the current date and time in your device are correct.

Games and applications

You can manage applications and games. Your phone may have some games or applications installed. These files are stored in the phone memory or an

attached memory card and may be arranged in folders.

Launch an application

Select **Menu > Applications > Games, Memory card, or Collection.** Scroll to a game or an application, and select **Open.**

To set sounds, lights, and shakes for a game, select **Menu > Applications > Options > Application settings.**

Other available options may include the following:

Update version — to verify that a new version of the application is available for download from the web (network service)

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

Application access — to restrict the application from accessing the network

Download an application

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

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

You can download new applications and games in different ways.

- Select **Menu > Applications > Options > Downloads > App. downloads or Game downloads;** the list of available bookmarks is shown.

- Use the Nokia Application Installer from PC Suite to download the applications to your phone.

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

Did you know that you can manage your music, contacts and calendars between your phone and your PC with Nokia PC Suite?

Organise

Let your phone help you to organise your life.


Manage contacts

Save names, phone numbers, and addresses as contacts in the phone and SIM card memory.

Select **Menu > Contacts**.

Select the memory for contacts

The phone memory can save contacts with additional details, such as various phone numbers and text items. You can also save an image, a tone, or a video clip for a limited number of contacts.

The SIM card memory can save names with one phone number attached to them. The contacts saved in the SIM card memory are indicated by .

- 1 Select **Settings > Memory in use** to select the SIM card, the phone memory, or both for your contacts.
- 2 Select **Phone and SIM** to recall contacts from both memories. When you save contacts, they are saved in the phone memory.

Handle contacts

Search for a contact

Menu > Contacts > Names

Scroll through the list of contacts, or enter the first characters of the contact's name.

Save a name and phone number

Names > Options > Add new contact

Add and edit details

Select a contact, **Details > Options > Add detail** and from the available options.

Delete a detail

Select a contact and **Details**. Select a detail and **Options > Delete**.

Delete a contact

Select a contact and **Options > Delete contact**.

Delete all contacts

Menu > Contacts > Del. all contacts > From phone memory or From SIM card.

Copy or move contacts between the phone and SIM card memory

Single contact

Select the contact to copy or move and **Options > Copy contact or Move contact**.

Several contacts

Select **Options > Mark**.

Mark the contacts, and select **Options > Copy marked or Move marked**.

All contacts

Select **Menu > Contacts > Copy contacts or Move contacts**.

Create a contact group

Arrange contacts into caller groups with different ringing tones and group images.

- 1 Select **Menu > Contacts > Groups**.
- 2 Select **Add or Options > Add new group** to create a new group.
- 3 Enter the group name, optionally select an image and a ringing tone, and select **Save**.
- 4 Select the group and **View > Add** to add contacts to the group.

Business cards

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

To send a business card, search for the contact, and select **Details > Options > Send business card**.

When you receive a business card, select **Show > Save** to save the business card in the phone memory.

Date and time

To change the clock type, time, time zone, or date, select **Menu > Settings > Date and time**.

When travelling to a different time zone, select **Menu > Settings > Date and time > Date & time settings > Time zone**, and scroll left or right to select the time zone of your location. The time and date are set according to the time zone and enable your phone to display the correct sending time of received text or multimedia messages.

For example, GMT +8 denotes the time zone for HK.

Alarm clock

To sound an alarm at a desired time.

Set the alarm

- 1 Select **Menu > Organiser > Alarm clock**.
- 2 Set the alarm on, and enter the alarm time.
- 3 To issue an alarm on selected days of the week, select **Repeat: > On** and the days.
- 4 Select the alarm tone.
- 5 Set the snooze time-out, and select **Save**.

Stop the alarm

To stop the sounding alarm, select **Stop**. If you let the alarm sound for a minute or select **Snooze**, the alarm stops for the snooze time-out, then resumes.

Calendar

Select **Menu > Organiser > Calendar**.

The current day is framed. If there are any notes set for the day, the day is in bold type. To view the day notes, select **View**. To view a week, select **Options > Week view**. To delete all notes in the calendar, select **Options > Delete notes > All notes**.

To edit settings related to date and time, select **Options > Settings** and from the available options. To delete old notes automatically after a specified time, select **Options > Settings > Auto-delete notes** and from the available options.

Make a calendar note

Scroll to the date, and select **Options > Make a note**. Select the note type, and fill in the fields.

To-do list

To create a note for a task that you must do, select **Menu > Organiser > To-do list**.

To create a note if no note is added, select **Add**; otherwise, select **Options > Add**. Fill in the fields, and select **Save**.

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

Notes

To write and send notes, select **Menu > Organiser > Notes**.

To make a note if no note is added, select **Add**; otherwise, select **Options > Make a note**. Write the note, and select **Save**.

Nokia PC Suite

With Nokia PC Suite, you can manage your music, synchronise contacts, calendar, notes, and to-do notes between your phone and a compatible PC or a remote internet server (network service). You may find more information and PC Suite on the Nokia website. [See "Nokia support", p. 37.](#)

Calculator

Your phone provides a standard, a scientific, and a loan calculator.

Select **Menu > Organiser > Calculator** and, from the available options, the calculator type and the operating instructions.

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

Countdown timer

Normal timer

- 1 To activate the timer, select **Menu > Organiser > Countd. timer > Normal timer**, enter a time, and write a note that is displayed when the time expires. To change the time, select **Change time**.
- 2 To start the timer, select **Start**.
- 3 To stop the timer, select **Stop timer**.

Interval timer

- 1 To have an interval timer with up to 10 intervals started, first enter the intervals.
- 2 Select **Menu > Organiser > Countd. timer > Interval timer**.
- 3 To start the timer, select **Start timer > Start**.

To select how the interval timer should start the next period, select **Menu > Organiser > Countd. timer > Settings > Contin. to next period** and from the available options.

Stopwatch

You can measure time, take intermediate times, or take lap times using the stopwatch.

Select **Menu > Organiser > Stopwatch** and from the following options:

Split timing — to take intermediate times. To reset the time without saving it, select **Options > Reset**.

Lap timing — to take lap times

Continue — to view the timing that you have set in the background

Show last — to view the most recently measured time if the stopwatch is not reset

View times or **Delete times** — to view or delete the saved times

To set the stopwatch timing in the background, press the end key.

Support and phone software updates

Nokia helps you in many ways to gain the most benefit from your phone.

Helpful hints

If you have queries about your phone, or you are unsure how your phone should function, see the user guide. If this does not help, try the following:

Reset the phone

Switch off the phone, and remove the battery.

After a few seconds, insert the battery, and switch on the phone.

Restore the factory settings

See "[Restore factory settings](#)", p. 39.

Get more information

See a Nokia website, or contact Nokia Care. See "[Nokia support](#)", p. 37.

If a query remains unresolved, contact your local Nokia Care point for repair options. Before sending your phone for repair, always back up or make a record of data in your phone.

Nokia support

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

Configuration settings service

Download free configuration settings such as MMS, GPRS, e-mail, and other

services for your phone model at www.nokia.com.hk/settings.

Nokia PC Suite

You may find PC Suite and related information on the Nokia website at www.nokia.com.hk/pcsuite.

Nokia Care services



If you need to contact Nokia Care services, check the list of local Nokia Care contact centres at www.nokia.com.hk/contactus.

Maintenance

For maintenance services, check your nearest Nokia Care point at <http://www.nokia.com.hk/repair>.

My Nokia

Receive free tips, tricks, and support for your Nokia phone, plus free trial content, interactive demonstrations, a personalised web page, and news about the latest Nokia products and services.

Get the most out of your Nokia phone and register to My Nokia today! For more information and availability in your region, see www.nokia.com/mynokia.

Download content

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

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

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

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, XP or Vista 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.hk/softwareupdate or your local Nokia website.

If software updates over the air are supported by your network, you may also be able to request updates through the phone. [See "Software updates over the air", p. 38.](#)

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

Software updates over the air

Your service provider may send phone software updates over the air directly to your phone (network service). This option may not be available, depending on your phone.

Warning:

If you install a software update, you cannot use the device, even to make emergency calls, until the installation is completed and the device is restarted. Be sure to back up data before accepting installation of an update.

Software update settings

This option may not be available, depending on your phone.

To allow or disallow software and configuration updates, select **Menu > Settings > Configuration > Device manager sett. > Serv. softw. updates.**

Request a software update

- 1 Select **Menu > Settings > Phone > Phone updates** to request available software updates from your service provider.
- 2 Select **Current softw. details** to display the current software version and check whether an update is needed.
- 3 Select **Downl. phone softw.** to download and install a software update. Follow the instructions on the display.
- 4 If the installation was cancelled after the download, select **Install softw. update** to start the installation.

The software update may take several minutes. If there are problems with the installation, contact your service provider.

Configuration setting service

To use some of the network services, such as mobile internet services, the multimedia messaging service (MMS), Nokia Xpress audio messaging, or remote

internet server synchronisation, your phone needs the correct configuration settings. For more information on availability, contact your service provider or the nearest authorised Nokia dealer, or see the support pages on the Nokia website. [See "Nokia support", p. 37.](#)

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

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

Restore factory settings

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

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

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

Nokia original enhancements

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.



An extensive range of enhancements is available for your device. Please visit www.nokia.com.hk for more details.

Enhancements

Practical rules about accessories and enhancements

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

Battery

Type	Battery	Talk time	Standby
BL-4U	Li-Ion	Up to 4 hours	Up to 350 hours

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

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, OMA DRM 1.0 forward lock, 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 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 if 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.

Battery

Battery and charger information

Your device is powered by a rechargeable battery. The battery intended for use with this device is BL-4U. This device is intended for use when supplied with power from the following chargers: AC-8. 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. Use of an unapproved battery or charger may present a risk of fire, explosion, leakage, or other hazard.

The exact charger model number may vary depending on the type of plug. The plug variant is identified by one of the following: E, EB, X, AR, U, A, C, or UB. For example, the model numbers for the charger can be, among others, AC-8C, AC-8U etc.

If a battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger, then disconnect and reconnect it to begin charging the battery. If the battery is completely discharged, it may take several minutes before the charging indicator appears on the display or before any calls can be made.

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

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

Do not short-circuit 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.

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, cut, open, crush, bend, deform, puncture, 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.

Do not modify, remanufacture, attempt to insert foreign objects into the battery, or immerse or expose it to water or other liquids.

Improper battery use may result in a fire, explosion, or other hazard. If the device or battery is dropped, especially on a hard surface, and you believe the battery has been damaged, take it to a service centre for inspection before continuing to use it.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged. Keep your battery out of the reach of small children.

Nokia battery authentication guidelines

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

Successful completion of the 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 Nokia authorised service centre or dealer for assistance. If authenticity cannot be verified, return the battery to the place of purchase.

Authenticate hologram



- 1 When you look at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.
- 2 When you angle the hologram left, right, down and up, you should see 1, 2, 3 and 4 dots on each side respectively.

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 Nokia authorised service centre or dealer for assistance. The use of a battery that is not approved by Nokia 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, see 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. Unauthorised 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 authorised service facility for service.

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 centimetres (5/8 inch) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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

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 centimetres (6 inch) 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 centimetres (6 inch) 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 minimise 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 refuelling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas; chemical plants; or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities and areas where the air contains chemicals or particles such as grain, dust, or metal powders. You should check with the manufacturers of vehicles using liquefied petroleum gas (such as propane or butane) to determine if this device can be safely used in their vicinity.

Emergency calls

Important: This device operates using radio signals, wireless networks, landline networks, and user-programmed functions. If your device supports voice calls over the internet (internet calls), activate both the internet calls and the cellular phone. The device will attempt to make emergency calls over both the cellular networks and through your internet call provider if both are activated. Connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

- 1 If the device is not on, switch it on. Check for adequate signal strength. Depending on your device, you may also need to complete the following:
 - Insert a SIM card if your device uses one
 - Remove certain call restrictions you have activated in your device.
 - Change your profile from offline or flight profile mode to an active profile.
- 2 Press the end key as many times as needed to clear the display and ready the device for calls.
- 3 Enter the official emergency number for your present location. Emergency numbers vary by location.
- 4 Press the call key.

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

CERTIFICATION INFORMATION (SAR)

This mobile device meets guidelines for exposure to radio waves.

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

The exposure guidelines for mobile devices employ a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit stated in the ICNIRP guidelines is 2.0 watts/kilogram (W/kg) averaged over 10 grams of tissue. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The actual SAR level of an operating device can be below the maximum value because the device is designed to use only the power required to reach the network. That amount changes depending on a number of factors such as how close you are to a network base station. The highest SAR value under the ICNIRP guidelines for use of the device at the ear is 0.44 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.

Limited Warranty

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

1. The limited warranty for the cellular phone, data product and all genuine Nokia accessories (except battery packs) extends for the first twelve (12) months beginning on the date of purchase of the Product.
2. The limited warranty for genuine Nokia battery packs extends for the first six (6) months beginning on the date of purchase of the Product.
3. The limited warranty extends only to the original consumer purchaser ("Consumer") of the Product and is not assignable or transferable to any subsequent purchaser/end user.
4. The limited warranty extends only to Consumers who purchase the Product in one of the countries (or areas) set forth at the end of this document. The limited warranty is only valid in Nokia's intended country (or area) of sale of the Product.
5. During the limited warranty period, Nokia or its authorized service network will repair or replace, at Nokia's option, any defective Product or parts thereof with new or factory rebuilt replacement items, and return the Product to the Consumer in working condition. No charge will be made to the Consumer for either parts or labor in repairing or replacing the Product. All replaced parts, boards or equipment shall become property of Nokia. The external housing and cosmetic parts shall be free of defects at the time of shipment and, therefore, shall not be covered under these limited warranty terms.
6. Repaired Product will be warranted for the balance of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.
7. Upon request from Nokia or its authorized service center, the Consumer must provide purchase receipt or other information to prove the date and place of purchase.
8. Transportation, delivery and handling charges incurred in the transport of the Product to and from Nokia or its authorized service center will be borne by the Consumer.
9. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
 - a) The Product has been subject to: abnormal use, abnormal condition, improper storage, exposure to moisture or dampness, exposure to excessive

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

- b) Nokia was not notified by Consumer of the alleged defect or malfunction of the Product during the applicable limited warranty period.
 - c) The Product serial number or the accessory date code has been removed, defaced or altered.
 - d) The defect or damage was caused by defective function of the cellular system or by inadequate signal reception by the external antenna.
 - e) The Product was used with or connected to accessory not supplied by Nokia, not fit for use with Nokia cellular phones or used in other than its intended use.
 - f) The battery was short circuited or seals of the battery enclosure or cells are broken or show evidence of tampering or the battery was used in equipment other than for which it has been specified.
10. If a problem develops during the limited warranty period, the Consumer should take the following step-by-step procedure:
- a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.
 - b) If "a" is not convenient, the Consumer may contact the local Nokia office for the location of the nearest authorized service center.
 - c) The Consumer shall arrange for the Product to be delivered to the authorized service center. Expenses related to removing the Product from an installation are not covered under this limited warranty.
 - d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer shall be responsible for expenses related to reinstallation of the Product.
 - e) In case of certain operator specific features in the Product such as SIM-lock, Nokia reserves the right
- to refer the Consumer to the relevant cellular operator before service will be provided.
- f) If the Product is returned to Nokia after the expiration of the warranty period, Nokia's normal service policies shall apply and the Consumer will be charged accordingly.
- 11. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING WRITTEN WARRANTY. OTHERWISE, THE FOREGOING WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR A LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OR IMPAIRMENT OF PRIVACY OF CONVERSATIONS, WORK STOPPAGE OR LOSS OR IMPAIRMENT OF DATA ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT.
 - 12. The benefits conferred by this limited warranty are in addition to all other rights and remedies under any applicable mandatory legislation as may be in force from country (area) to country (area).
 - 13. Nokia neither assumes nor authorizes any authorized service center or any person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty.
 - 14. All warranty information, product features and specifications are subject to change without notice.
 - 15. The countries (or areas) in which this limited warranty is in force, subject to clause 4 above, are Hong Kong SAR and Macau SAR.

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