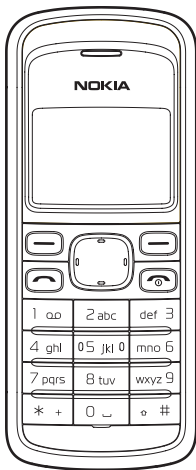


RH-108 User Guide



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Export controls

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

FCC/INDUSTRY CANADA NOTICE

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.

xxxxxxx/Issue 1

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For your safety

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



SWITCH ON SAFELY

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



ROAD SAFETY COMES FIRST

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



INTERFERENCE

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



SWITCH OFF IN HOSPITALS

Follow any restrictions. Switch the device off near medical equipment.



SWITCH OFF IN AIRCRAFT

Follow any restrictions. Wireless devices can cause interference in aircraft.



SWITCH OFF WHEN REFUELING

Do not use the device at a refueling point. Do not use near fuel or chemicals.



SWITCH OFF NEAR BLASTING

Follow any restrictions. Do not use the device where blasting is in progress.



USE SENSIBLY

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



QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



ENHANCEMENTS AND BATTERIES

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



WATER-RESISTANCE

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



BACK-UP COPIES

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



CONNECTING TO OTHER DEVICES

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



EMERGENCY CALLS

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

■ About your phone

The wireless phone (RH-108) described in this guide is approved for use on CDMA 800 and 1900 MHz, and CDMA 2000 1x RTT network. Contact your service provider for more information about networks.

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

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



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

■ Network services

To use the phone you must have service from a wireless service provider. Many of the features 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.

■ Shared memory

The following features in this device may share memory:

Downloaded ring tones and wallpapers.

Use of one or more of these features may reduce the memory available for the remaining features sharing memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing.

General information

■ Access codes

The security and lock code controls access to features and are supplied with the phone.

The phone lock feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone.

When the phone lock is on, the only outgoing calls that can be made are to the emergency number programmed into your phone (for example, 911 or other official emergency number).

Select **Menu** > *Settings* > *Security settings* to set how your phone uses the access codes and security settings.

■ Nokia support on the web

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

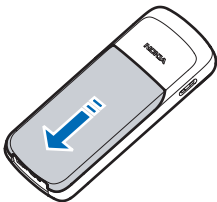
1. Get started

■ Install and remove battery

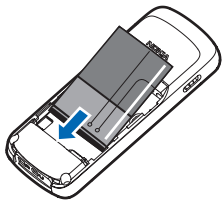


Note: Always switch off the power and disconnect the charger and any other device before removing the cover. Avoid touching electronic components while changing the cover. Always store and use the device with the cover attached.

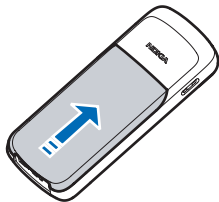
1. To remove the cover, with the back of the phone facing you. Press and slide the back cover toward the bottom of the phone.



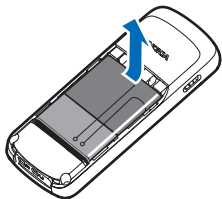
2. To insert the battery, position the battery so the gold-colored contacts match up with those on the phone, and insert the battery into the battery slot.



3. Push down on the other end of the battery to snap the battery into place.
4. Align the back cover with the back of the phone, and slide it toward the top of the phone until you hear a click to lock it into place.



5. To remove the battery, remove cover (see step 1) and insert your finger into the finger grip, to lift the battery from its compartment.



■ Charge the battery

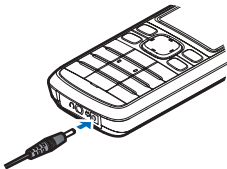


Warning: Use only batteries, chargers, and enhancements approved by Nokia for use with this particular model. The use of any other types may invalidate any approval or warranty, and may be dangerous.

This device is intended for use with a BL-5B battery and AC-3 or AC-4 charger. For availability of approved enhancements, please check with your dealer.

When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.

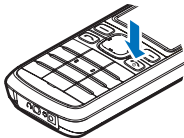
1. Connect the charger to a wall socket.
2. Insert the charger output plug into the round jack at the bottom of the phone.



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.

■ Switch your phone on or off

To switch your phone on or off, press and hold the power/end key on the keypad for at least three seconds.



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

■ Normal operating position

Your device has an internal antenna. Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.



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

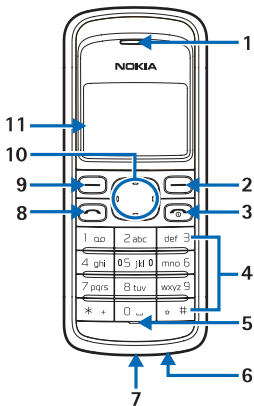


optimize antenna performance and battery life, avoid contact with the antenna area when operating the device.

2. Your phone

■ Keys and parts

1. Earpiece
2. Right selection key
3. Power/End key
4. Keypad
5. Microphone
6. Charger port
7. Headset port
8. Call key
9. Left selection key
10. Navi™ key (referred to as scroll key)
11. Display screen



■ Standby mode and shortcuts

Depending on your wireless service provider and the model number of your device, some or all of the following selection keys may appear in the standby mode.

At the start screen, your phone is idle and standing by for activity.

1. Signal strength—A higher bar indicates a stronger network signal.



2. Battery level—A higher bar indicates more power in the battery.
3. **Menu**—Press the left selection key to enter the main menu.
4. **Contacts**—Press the right selection key to enter contacts list.

In the standby mode, the four-way scroll key may vary with your network services. Please refer to your service operator for detailed information.

■ Keyguard

The keyguard locks the keypad to prevent keys from being pressed and calls from being made accidentally.

To lock the keypad, select **Menu**, and press * within 2 seconds.

To unlock the keypad, select **Menu**, and press * within 2 seconds.

If the keypad is locked, it is unlocked automatically when you receive a call. After the call, the lock automatically reactivates. When the keyguard is on, calls may be possible to the official emergency number programmed into your phone.

In the standby mode, select **Menu** > *Settings* > *Phone settings* > *Automatic keyguard* > *On* to set the keypad to lock automatically after a preset time delay. Select *Off* to deactivate the feature.

3. Call functions

■ Make and answer a call

To make a call, enter the phone number, including the country code and area code if necessary and press the call key to call the number. Scroll right to increase or left to decrease the volume of the earpiece or headset during the phone call.

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

■ Conference Calling

Conference calling is a network service that allows you to take part in a conference call with another two participants. To make a call to a new participant, select **Options** > *New call*. Enter the number you want, and press the call key. When the new call is answered, press

the call key to connect the calls. To end the conference call, select **Options** > *End all calls*, or press the end key.

■ Loudspeaker

You can use your phone as a loudspeaker during a call.





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

To activate the loudspeaker during a call, select **Loudsp..**
To deactivate the loudspeaker during a call select **Handset**.

The loudspeaker is deactivated automatically when a call (or a call attempt) ends or when certain enhancements are connected.

4. Write text

You can enter text using traditional  **Abc** or predictive  **Abc** text input. To change the text input method, and to switch between upper and lower case, press the # key.

■ Traditional text input

Press a number key, 1 to 9, repeatedly until the desired character appears. To add a space, press 0. To add a

number, press and hold the desired number key. To get a list of special characters, press *.

■ Predictive text input

Predictive text input is based on a built-in dictionary when writing in English. To turn it on:

Select **Menu** > *Messages* > *Text messages* > *Create message* > **Options** > *Prediction on*; to turn it off, select *Prediction off*.

When using predictive text input, press each key once for a single letter. If * is displayed first, you need to press the key to write another letter.

If the displayed word is the one you want, press 0, and start writing the next word.

If your word is not displayed, press * repeatedly to view other word options.

If ? is displayed after the word, the word is not in the dictionary. To add the word to the dictionary, select **Spell**,

or select **Options** > *Edit word*, to enter the word (using traditional text input), and select **Save**.

To get a list of special characters, press and hold *.

5. Menu functions

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

In the standby mode, select **Menu** and scroll to the desired menu item and press **Select** to enter a submenu. Press **Exit** or **Back** to exit the current level of menu. Press the end key to return to the standby mode directly.

■ Contacts

The contacts list can hold up to 400 contacts with multiple numbers and text notes for each contact. The

amount of numbers and text entries that you can save may vary, depending on length and the total number of entries in the contacts list.

To search for a contact, select [Contacts](#) > [Search](#), enter the first character of the contact name, and highlight the contact you wish to view. Select [Details](#) > [Options](#) and the action you want to apply to the contact.

Settings

Settings allows you to determine how your phone numbers are viewed, and the memory status of contacts in your phone.

1. Select [Contacts](#) > [Settings](#).
2. To select how names and numbers are viewed in the contacts list, select [Scrolling view](#).
3. To view the amount of used and remaining memory in the phone contacts, select [Memory status](#).

■ Messages



The message services can only be used when they are supported by your network or service provider.

Message settings

To edit your message sending settings, select **Menu** > *Messages* > *Text messages* > *Message settings* > *Sending options* and one of the following:

Message priority—to select the priority of the message as *Normal* or *Urgent*.

Delivery note—a note is sent to you confirming delivery of the message. Select *On* or *Off*.

Send callback number—to send a callback number, enter the number you wish to be called back with. To not send a callback number select *Off*.

For other settings, select **Menu** > *Messages* > *Text messages* > *Message settings* > *Other settings*, and the setting you wish to change:

Message font size—you can change the font size for message reading and writing. Select *Small font* or *Large font*.

Message overwriting—when the message memory is full, your phone cannot receive any new messages. You can set your phone to automatically overwrite old messages when new ones arrive. To choose which messages can be replaced, select *Sent items only*, *Inbox only*, or *S. items & Inbox* or, to deactivate this feature, select *Off*.

Save to Sent items as sending—you can determine whether messages should be saved automatically to the *Sent items* folder when sent. Select *Always save*, *Always prompt* or *Off*.

Queue msgs. when digital unavailable—you can store in *Outbox* messages to be sent later when digital service is available. Select *On*, *On prompt*, or *Off*.

Voice messages

Voice mail is a network service that must be activated by your service provider. If you subscribe to voice mail, your wireless provider will supply a voice mailbox number that

must be saved to your phone. For more details about voice messages, contact your service provider.

To listen to your voice messages recorded in the voice mail box, select **Menu** > *Messages* > *Voice messages* > *Listen to voice messages*.

To access voice mail using speed dial, press and hold key 1.

Create message

1. Select **Menu** > *Messages* > *Text messages* > *Create message*.
2. Compose a message using the keypad.
3. To send the message, in the message editor screen, select *Send to*.
4. To send to one recipient, select *Send to number*. Enter the recipient's phone number; or select **Search** to retrieve a number from your contacts. Select *Send*.
5. To send to many recipients, select *Send to many*. Select **Options** > *Add number* to enter the recipient's

phone number; or select **Search** to retrieve a number from your contacts list. Select **Send**.

- To send by e-mail, select **Send to e-mail**. Enter the recipient's e-mail address; or select **Search** to retrieve an e-mail address from your contacts list. Select **Send**.



Note: Your device may indicate that your message was sent to the message center number programmed into your device. Your device may not indicate whether the message is received at the intended destination. For more details about messaging services, contact your service provider.

Picture messages

Picture messages is a network service. If your wireless service provider supports this feature, your phone comes with five preloaded pictures. Pictures can be attached to a text message and sent to compatible phones.



Note: The picture message function can be used only if it is supported by your network operator or service provider. Only compatible devices that offer picture message features can receive and display picture messages.


Copyright protections may prevent some pictures from being copied, modified, transferred, or forwarded.

To send a picture message, do the following:

1. Select **Menu** > *Messages* > *Text messages* > *Create message*.
2. Write a message (or enter nothing if you choose to just send a picture), and select **Options**.
3. Select *Insert picture*.
4. Scroll down through the pictures, and select **View**.
5. Select **Insert** to insert the picture into your message; otherwise select **Back**, scroll to another picture, and select **View** again.
6. To send the picture message, select *Send to* > *Send to number*, *Send to many*, or *Send to e-mail*.
7. Enter the phone number or e-mail address for your recipient, or select **Search** to retrieve a number or e-mail from the contacts list.
8. Select *Send*.


Picture images can only be received in text messages.

Read and reply

When you receive a message, a notification message is displayed, and the icon  appears.

1. Select **Show** to read the message or **Exit** to dismiss the notification.

Scroll to view the whole message, if necessary.

When unopened messages are in your inbox,  is shown in the standby display mode as a reminder.

2. Select **Reply** > *Empty screen*, *Original text*, *Template*, or other preset reply.
3. Enter your reply, and select **Send**.

Inbox, Sent items, and Drafts folders

All incoming messages are automatically stored in the inbox.


Messages that are unsent and messages that failed to be sent are automatically stored in the *Outbox* folder.

To save sent messages automatically to the *Sent items* folder, select **Menu** > *Messages* > *Text messages* > *Message settings* > *Other settings* > *Save to Sent items*

as sending and then select *Always save* or *Always prompt* or *Off* to deactivate this feature.

You can store draft messages in the *Drafts* folder to edit and send later. In the message editor screen, select **Options** > *Save message* > *Drafts*.

Delete messages

If your message memory is full and you have more messages waiting at the network,  blinks in the standby mode. You can read and delete read messages from some of your folders.

To delete a single message, select **Menu** > *Messages* > *Text messages*, choose the message and select **Options** > *Delete* and **OK** to delete the message, or **Back** to exit.

To delete all messages in a folder, select **Menu** > *Messages* > *Text messages* > *Delete messages* and one of the following:

- *All*—choose *Inbox*, *Outbox*, *Sent items*, *Drafts*, or *Archive* as the desired folder from which you want to

delete all messages. Select **Done**, and confirm the deletion by pressing **Yes** at the confirmation note.

- *All read*—choose *Inbox*, *Outbox*, *Sent items*, *Drafts*, or *Archive* as the desired folder from which you want to delete all read messages. Select **Done**, and confirm the deletion by pressing **Yes** at the confirmation note.
- *All unread*—delete any messages that have not been read in the *Inbox* folder, and confirm the deletion by pressing **OK** at the confirmation note.

■ Call log

The *Call log* stores information about the last 20 missed, received, or dialed calls. It also adds the total duration of all calls. When the number of calls exceeds the maximum, the most recent call replaces the oldest. The network must support these functions, and the phone must be switched on and inside the network service area.

Select **Menu** > *Call log* > *Missed calls*, *Received calls*, or *Dialed numbers* to view the date and time of the call, edit,



view, or call the registered phone number; save it to contacts; or delete it from the phone memory. You can also send a text message.

You can delete any missed, dialed, or received calls from phone memory. Select **Menu** > *Call log* > *Delete recent call lists* > *All, Missed, Received, or Dialed*.

Select **Menu** > *Call log* > *Call timers* to view the approximate duration of the last call, all received calls, all dialed calls, life timer or all calls.

To reset the timers, select **Menu** > *Call log* > *Call timers* > *Clear timers*, enter your security code, and select **OK**.



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

■ Profiles



Profiles defines for example how your phone reacts when you receive a call or message, and how your keypad sounds when you press a key. Ringing options, keypad tones, and other settings for each of the available profiles can be left at their default setting or

personalized to suit your needs. Available profiles are: *Normal*, *Silent*, *Meeting*, *Outdoor*, and *Pager*.

To activate or customize a profile or set a timed expiration for a profile, select **Menu** > *Profiles*, choose a profile and select *Activate*, *Customize*, or *Timed*. You can also press the end key and select to activate a profile (or *Switch off!* to switch off the phone).

■ Settings



In this menu, you can adjust various phone settings. To reset menu settings to their default values, select **Menu** > *Settings* > *Restore factory settings*. You will be prompted to enter your security code before you can proceed.

Call settings

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

Location info sharing—allows the sharing of your network location so that your position maybe known. If activated it

can be set to on at all times, or only when emergency calls are made.

Anykey answer—to answer an incoming call by briefly pressing any key except the end key or right selection.

Automatic redial—to set your phone to redial a number after an unsuccessful call attempt.

1-touch dialing—to select whether number keys (2-9) can be used for one-touch dialing (calling a number by pressing and holding a key).

Calling card—to save up to four calling card numbers in your phone to use for long distance calls.

International prefix—to make calls using the + sign as the international prefix. The phone replaces the + sign in a saved phone number when creating a call.

Call summary—to display the time spent on a call when you hang up.

Phone settings

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

Phone language—to select the language for the display text.

Automatic keyguard—to set the keypad to lock automatically after a preset time delay.

Touch tones—to set the tone duration when you press the keys on your phone keypad.

Welcome note—to write a welcome note that briefly appears whenever you switch your phone on.

Banner—the default banner for your phone depends on your network service. To change your banner select *Customize*, enter the text you want displayed, and select **OK**.

Help text activation—to display brief descriptions for most menu items.

Time and date settings

Select **Menu** > *Settings* > *Time and date settings* and from the available options:

Clock—to hide or show the clock, set the time, change the time zone and format.

Date—to hide or show the date, set the date, change the date format and date separator.

Auto-update of time & date—to have the time and date updated automatically, select *On*. To update the time and date only after your confirmation, select *Confirm first*. To switch of the automatic update feature select *Off*.

Display settings

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

Wallpaper—to set a background image that is displayed when the phone is in the standby mode.

Color schemes—to personalize the colors used on the phone display.

Display brightness—to adjust the display brightness by pressing the left and right scroll keys.

Backl. time-out—to control the backlight time-out of your phone display.

Tone settings

All tone settings can only apply to the currently selected profile.

Select **Menu** > *Settings* > *Tone settings* and from the available options:

Incoming call alert—to set the alert type for incoming calls.

Ringtone—to set the tone for incoming calls.

Ringtone volume—set the volume level for the ringing and message alert tones, by adjusting the *Ringtone volume* to the volume of your preference. If you have your *Ringtone option* set to *Ascending*, and the *Ringtone volume* set to level 2 or above, your phone rings with the volume ascending from level 1 to the level for incoming calls. If you select the highest ringing tone level, the ringing tone reaches its highest level after a few seconds.

Vibrating alert—to set the phone to vibrate when you receive a call or a text message.

Message alert tone—to set the tone to sound when you receive a text message.

Keypad tones—to select the volume level of the keypad tones.

Warning tones—to control warning and confirmation tones.

Alert for—to select that the phone gives an audible alert only when a member of a selected caller group is calling.

Enhancement settings

To view compatible enhancements the phone can be connected to, select **Menu** > *Settings* > *Enhancement settings* > *Charger*, *Hearing aid* or *Text phone*.

Security settings

To set the security settings for your phone, the following options are available:

Select **Menu** > *Settings* > *Security settings* > *Call restrictions* or *Access codes*.

Network

The *Network* menu allows you to customize the way your phone chooses a network in which to operate while you are within or outside of your primary or home system. Your phone is set to search for the most effective network. If your phone cannot find a preferred network, it selects a network automatically based on the option you choose in the *Network* menu.

Select **Menu** > *Settings* > *Network* > *Roaming options*, *Roam call ringing tone* or *Service change tones*.

The menu options you see in your phone are based on your service provider's network. The network determines which

options actually appear in the phone menu. Check with your service provider for more information.

Network services

Displays available network services and their settings. For the network service availability, please contact your service provider.

Select **Menu** > *Settings* > *Network services*, and one of the following options:

Network feature setting—to activate network services in the phone by using feature codes received from your service provider.

Own number selection—to activate network services in the phone by using a number you have selected.

Restore factory settings

You can restore the original factory default settings without affecting personal data such as contacts, language selection, or calendar notes.

1. Select **Menu** > *Settings* > *Restore factory settings*.
2. Enter your security code and select **OK**.

■ Gallery



You can use *Gallery* to manage your image and audio files.

Images

Images can be used to personalize your phone. To display a list of available images, select **Menu** > *Gallery* > *Images* > **Open**. You can scroll through the images, select an image and **Options** to *Set as wallpaper*, *Delete* or view the *Details* of the selected image file.

Tones

Tones can be used to personalize your phone. To display a list of available tones, select **Menu** > *Gallery* > *Tones*. Select a tone > **Options** and one of the following: *Open*—to listen to the tone, *Delete*—to remove it, *Set as ring tone*, *Set as msg tone* or *Details* to view the details of the tone.

■ Games



Some menus listed are network services.

Contact your service provider for more information.

In the standby mode, select **Menu** > *Games* > *Select game* to display and play a game on your phone.

To adjust common game settings, select **Menu** > *Games* > *Settings*. You can set the *Game sounds*, *Game lights*, or *Shakes* for a game.

■ Organizer




Your phone contains features to help organize your everyday life, including an alarm clock, calendar, calculator, countdown timer, stopwatch and .

Alarm clock

The alarm clock is based on the phone clock. It sounds an alert any time you specify.

The alarm will still sound even when the device is switched off.

To activate an alarm, select **Menu** > *Organizer* > *Alarm clock*. Enter the time for the alarm in hh:mm format, and select **OK**. Select *am* or *pm* if 12-hour clock format is on. *Alarm on* appears briefly in the display, and  appears in the standby mode.

When the alarm sounds, your phone beeps, vibrates (if vibrate alert is on in the currently active profile), and lights up. When the alarm sounds, select **Stop** to shut the alarm off or **Snooze**.

To turn off an alarm, select **Menu** > *Organizer* > *Alarm clock* > *Off*.

Calendar

The calendar keeps track of reminders, calls you need to make, meetings, memos, and birthdays. It can also sound an alarm for these events.

The monthly view provides an overview of the selected month and weeks. It also allows you to access a specific

date. Any dates that appear in bold font contain calendar notes such as a meeting or reminder.

To open the calendar, scroll right or select **Menu** > *Organizer* > *Calendar*. To go to a date, select **Options** in the calendar view and *Go to date*, enter the date, and select **OK**.

To note a specific date from the monthly view (with the go to date highlighted), select **Options** > *Make a note* > *Meeting, Call, Birthday, Memo, or Reminder*. Your phone asks for further information depending on which note you select.

Calculator

The calculator adds, subtracts, multiplies, divides, calculates the square and the square root, changes the sign (positive or negative) of the number entered, and converts currency values.



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

1. Select **Menu** > *Organizer* > *Calculator*.
2. Enter the first number in the calculation.

Press # for a decimal point if necessary.

Press * to cycle through the add (+), subtract (-), multiply (*), and divide (/) characters. Pause briefly to select the displayed character.

3. Enter the second number in your calculation, press **Options** > **Equals** to get the result.


To perform a square or square root calculation, select **Options** > **Square** or **Square root**. Select **Options** > **Change sign**, or scroll up or down to change the sign (positive or negative) of your result.

Countdown timer

You can enter a specified time up to 99 hours, 59 minutes. The timer starts to count down. When the timer reaches zero, an alarm sounds.

The countdown timer only works when the phone is on. When you turn off your phone, the timer is no longer active.

To set the countdown timer, select **Menu** > **Organizer** > **Countdown timer**. Enter the time, and select **OK**. Enter a note for the timer, and select **OK** (in hh:mm).

 Appears in the standby mode when the countdown timer is set.

When the time runs out, your phone sounds an alarm, displays a timer note, and flashes its lights.


Select **Menu** > *Organizer* > *Countdown timer* > *Change time* to change the time and *Stop timer* to stop the timer before the alarm sounds.

Stopwatch

Your phone has a stopwatch that can be used to track time. The stopwatch displays time in hours, minutes, seconds, and fractions of a second in hh:mm:ss.ss format.

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

To use the split time or lap time functions for activities where you need to time yourself, select **Menu** > *Organizer* > *Stopwatch* > *Split timing* or *Lap timing* > *Start*.

If you press the end key and return to the standby mode, the clock continues to run in the background,  Appears in the upper left corner of the screen.

To return to the stopwatch screen, select **Menu** > *Organizer* > *Stopwatch* > *Continue*. To stop it, select **Stop**.

Voice recorder

This feature allows you to record speech or sound with your phone and listen to them later. The total available time is 90 seconds if no recordings have been stored. The maximum length of a recording depends on how much memory remains available.

To record speech or sound, select **Menu** > *Organizer* > *Voice recorder* > *Record*. Select **Stop** when you finish recording. Enter a title for the recording, and select **OK**. The recording is saved to the *Recordings list*.

After you have saved a recording to the recordings list, you can select **Options** > *Playback*, *Delete*, *Edit title*, or *Add alarm*.

■ Downloads

The BREW application feature requires network support and may not be available, or appear differently on your phone depending on your network service provider. For further information, please contact your service provider.

Mobile shop—to download applications to your mobile phone. There are two options for finding an online application: *Catalog*—allows you to browse by category, and *Search*—to find applications using keywords.

Settings—provides management and system information tools.

Help—get information about how to purchase and restore applications, how to subscribe and cancel subscription of applications, and information on charges.

6. Enhancements



Check the model number of any charger before use with this device. This device is intended for use when supplied with power from Nokia AC-3 or AC-4 charger.



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

A few practical rules about accessories and enhancements:

- Keep all accessories and enhancements out of the reach of small children.
- When you disconnect the power cord of any accessory or enhancement, grasp and pull the plug, not the cord.

- Check regularly that enhancements installed in a vehicle are mounted and are operating properly.
- Installation of any complex car enhancements must be made by qualified personnel only.

Power

- Standard 860 mAh Li-Ion Battery (BL-5B)
- Compact Charger (AC-3)
- Travel Charger (AC-4)
- Car Power Adapter (DC-4)

Audio

- Headset (HS-9)



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

7. Reference information

This section provides information about your phone batteries, enhancements, chargers, safety guidelines and technical information. Be aware that the information in this section is subject to change as batteries, chargers, and enhancements change.

■ Batteries and chargers

Your device is powered by a rechargeable battery. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device. The use of any other types may invalidate any approval or warranty, and may be dangerous.

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

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

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

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

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59°F and 77°F (15°C and 25°C). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged.

Battery performance is particularly limited in temperatures well below freezing.

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

Do not dismantle or shred cells or batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of such a leak, flush your skin or eyes immediately with water, and seek medical help.

■ Nokia battery authentication

Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the

Nokia Original Enhancements logo on the packaging and inspect the hologram label using the following steps:

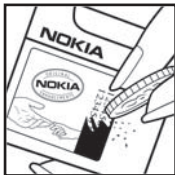
1. When looking at the hologram on the label, you should see the Nokia connecting hands symbol from one angle and the Nokia Original Enhancements logo when looking from another angle.



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



3. Scratch the side of the label to reveal a 20-digit code, for example 12345678919876 543210. Turn the battery so that



the numbers are facing upwards. The 20-digit code reads from the number at the top row.

4. Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.



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

What if your battery is not authentic?

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

manufacturer may be dangerous and may result in poor performance and damage to your device and its enhancements. It may also invalidate any approval or warranty applying to the device. To find out more about original Nokia batteries, visit www.nokia.com/battery.

Care and maintenance

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

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep, such as contacts and calendar notes.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

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



Note: Before sending your device to a service facility, create a backup of data you want to keep such as contacts and calendar notes.

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 2.2 centimeters (7/8 inches) away from the body. When a carry case, belt clip, or holder is used for body-worn operation, it should not contain metal and should position the device the above-stated distance from your body.

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

Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

■ Medical devices

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

Pacemakers

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

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

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

Hearing aids

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

■ Vehicles

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

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

air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

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

■ Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Potentially explosive atmospheres include areas where you would normally be advised to turn off your vehicle engine. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Switch off the device at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel 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: Wireless phones, including this device, operate using radio signals, wireless networks, landline networks, and user-programmed functions. Because of this, connections in all conditions cannot be guaranteed. You should never rely solely on any wireless device for essential communications like medical emergencies.

To make an emergency call:

1. If the device is not on, switch it on. Check for adequate signal strength.
2. Press the end key as many times as needed to clear the display and ready the device for calls.
3. Enter the official emergency number for your present location. Emergency numbers vary by location.
4. Press the call key.

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the device is in the offline or flight profile mode, you may need to change the profile to activate the phone function before you can make an

emergency call. Consult this guide or your service provider for more information.

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

■ Certification information (SAR)

This mobile device meets guidelines for exposure to radio waves. Use of device accessories and enhancements may result in different SAR values. SAR values may vary depending on national reporting and testing requirements and the network band. Additional SAR information may be provided under product information at www.nokia.com.

Your mobile device is also designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA) and Industry Canada. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use at the ear is 1.28 W/kg and when properly worn on the body is 0.64 W/kg. Information about this device model can be found at <http://www.fcc.gov/oet/fccid>

by searching the equipment authorization system using FCC ID: QMNRH-108.

Hearing aid compatibility

Your mobile device model complies with FCC rules governing hearing aid compatibility. These rules require an M3 microphone or higher value. The M-value shown on the device box, refers to lower radio frequency (RF) emissions. A higher M-value generally indicates that a device model has a lower RF emissions level, which may improve the likelihood that the device will operate with certain hearing aids. Some hearing aids are more immune than others to interference. Please consult your hearing health professional to determine the M-rating of your hearing aid and whether your hearing aid will work with this device. More information on accessibility can be found at www.nokiaaccessibility.com.

■ Technical information

Feature	Specification
Dimensions	Width 42.6 mm Length 103.85 mm Depth 16.57 mm
Weight	78 g with BL-5B Li-ion battery

Feature	Specification
Wireless networks	CDMA 2000 1x RTT
Volume	73cc
PCS Frequency range (Tx)	1851.25~1908.75 MHz
PCS Frequency range (Rx)	1931.25~1988.75 MHz
Cell Frequency range (Tx)	824.70~848.31 MHz
Cell Frequency range (Rx)	869.70~893.31 MHz

■ Battery information

This section provides information about battery charging times with the Compact Charger (AC-3), the travel charger (AC-4), and talk and standby times. Be aware that the information in this section is subject to change. For more information, contact your service provider.



Important: Battery talk and standby times are estimates only and depend on signal strength, network conditions, features used, battery age and condition, temperatures to which battery is exposed, use in digital mode, and many other factors. The amount of time a device is used for calls will affect its standby time. Likewise, the amount of time that the device is turned on and in the standby mode will affect its talk time.

Charging times

The following charging times are approximate:

Charger options	AC-3	AC-4
BL-5B 860 mAh Li-Ion battery	Up to 3.5 hours	Up to 3 hours

Talk and standby times

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

Function	Digital
Talk time	Up to 3 hours 30 mins
Standby time	Up to 10 days

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