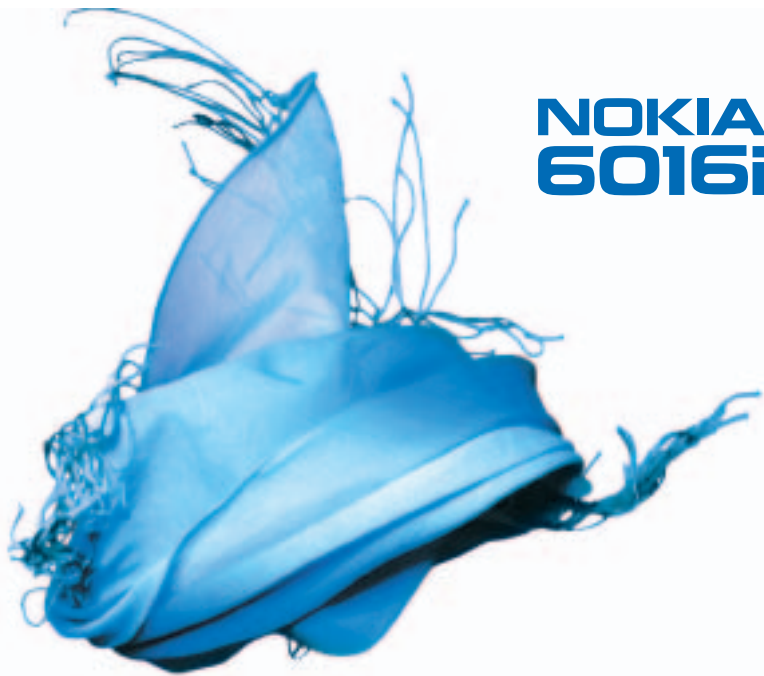
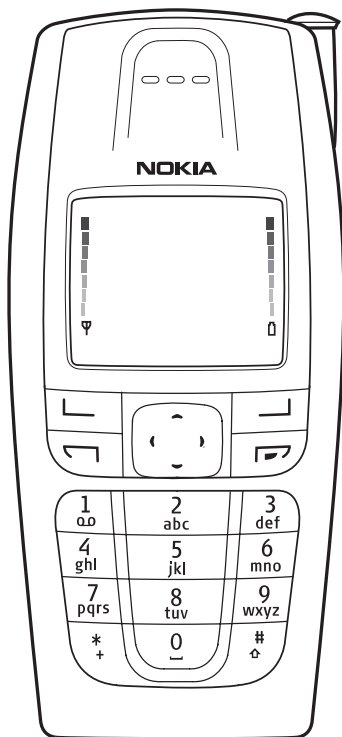


**NOKIA
6016i**



User Guide

Nokia 6016i User Guide



Part No. 9239220, Issue No. 1

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Includes RSA BSAFE cryptographic or security protocol software from RSA Security.

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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 phone 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 condition that this device does not cause harmful interference.

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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 phone on when wireless phone use is prohibited or when it may cause interference or danger.



ROAD SAFETY COMES FIRST

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



INTERFERENCE

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



SWITCH OFF IN HOSPITALS

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



SWITCH OFF IN AIRCRAFT

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



SWITCH OFF WHEN REFUELING

Don't use the phone at a refueling point. Don't use near fuel or chemicals.



SWITCH OFF NEAR BLASTING

Follow any restrictions. Don't use the phone where blasting is in progress.



USE SENSIBLY

Use only in the normal position as explained in the product documentation. Don't touch the antenna unnecessarily.



QUALIFIED SERVICE

Only qualified personnel may install or repair this product.



ENHANCEMENTS AND BATTERIES

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



WATER-RESISTANCE

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



BACKUP COPIES

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



CONNECTING TO OTHER DEVICES

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



EMERGENCY CALLS

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

Welcome

Congratulations on your purchase of the Nokia 6016i mobile phone. Your phone provides many functions which are practical for daily use, such as a hands-free loudspeaker, alarm clock, calculator, calendar, and more. Your phone can also connect to a PC, laptop, or other device using a data cable. To personalize your phone, you can set your favorite ring tones.

■ About your device

The Nokia 6016i wireless phone described in this guide is approved for use on CDMA 800 and 1900 and AMPS networks.

Contact your service provider for more information about networks.

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



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

■ Network Services

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

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear on your device menu. Your device may also have been specially configured. This configuration may include changes in menu names, menu order and icons. Contact your service provider for more information.

This device supports WAP 1.0 protocols. Some features of this device, such as the minibrowser, require network support for these technologies.

■ Shared memory

The following features in this device may share memory: contacts, text messages, images, and tones in gallery, calendar notes, games, and applications. Use of one or more of these features may reduce the memory available for the remaining features sharing memory. Your phone may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as images, tones in gallery, text messages, and applications may have a certain memory specially allotted to them in addition to the memory shared with other features.

■ Get help

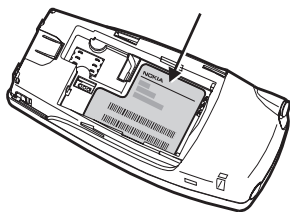
Find your phone label

If you need help, Nokia Customer Care is available for assistance. Before calling, we recommend that you write down the following information and have it available:

- Electronic serial number (ESN)
- Your postal code

The ESN is found on the type label, which is located beneath the battery on the back of the phone.

See "Remove the back cover," p. 14 and "Remove the battery," p. 14.



Contact Nokia

Please have your product with you when contacting either of the numbers below:

Nokia Customer Care Center, USA

Nokia Inc.

4630 Woodland Corporate Blvd.

Suite #160

Tampa, Florida 33614

Tel: 1-888-NOKIA-2U

(1-888-665-4228)

Fax: 1-813-249-9619

Web site: www.nokia.com/us

In Canada call:

Tel: 1-888-22-NOKIA

(1-888-226-6542)

Web site: www.nokia.ca

For TTY users:

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

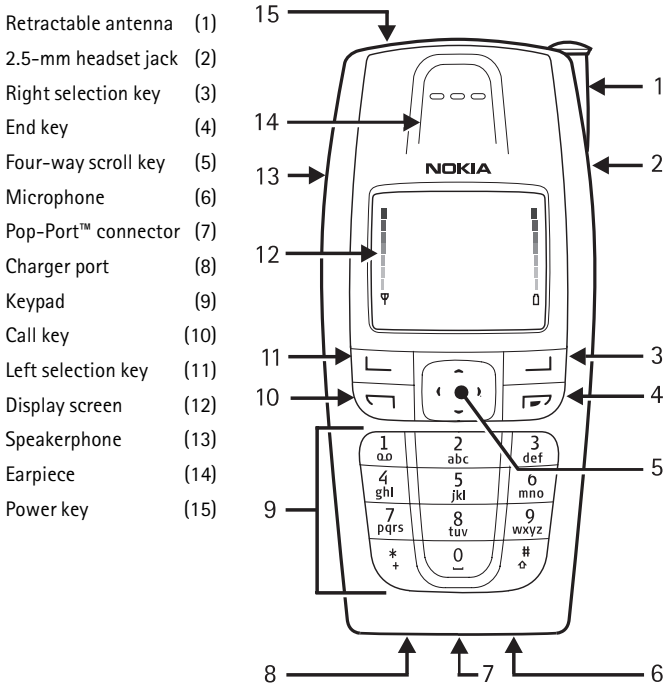
Updates

From time to time, Nokia updates this guide to reflect changes. The latest version and an interactive tutorial for this product may be available at the Web site www.nokia.ca.

Accessibility solutions

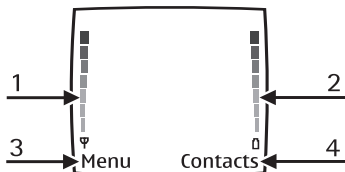
Nokia is committed to making mobile phones easy to use for all individuals, including those with disabilities. For more information visit the Web site at www.nokiaaccessibility.com.

1. Phone at a glance



■ The start screen

The start screen is home base and indicates that your phone is in standby mode.



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

Battery level (2)—A higher bar indicates more charge in the battery.

Menu (3)—Press the left selection key to select this option.

Contacts (4)—Press the right selection key to select this option.

■ Quick keys

In the standby mode, the four-way scroll key takes you to frequently accessed menus:

Scroll up key—Go to Profiles










Scroll right key—Go to the Minibrowser

Scroll down key—Go to the contacts list



Scroll left key—Quickly create a text message

■ Indicators and icons

Depending on your wireless service provider and the model number of your phone, some or all of the following indicators and icons may appear on the start screen:

-  You have new text messages. See "Text messages," p. 23.
-  You have new voice messages. See "Voice messages," p. 26.
-  Device keypad is locked. See "Keyguard," p. 18.
-  Device is set to the silent profile. See "Profiles," p. 38.
-  Alarm clock is set to on. See "Alarm clock," p. 54.
-  Countdown timer is running. See "Countdown timer," p. 59.
-  Stopwatch timer running in the background. See "Stopwatch," p. 59.
-  Integrated hands-free is active. See "Use the loudspeaker," p. 17.
-  Timed profile is selected. See "Profiles," p. 38.




 or  An enhancement is connected to the device.
See "Enhancements," p. 67.



Voice privacy encryption is active in the network.
See "Security settings," p. 49.



or  Location info sharing is set to Emergency or On.
See "Location info sharing," p. 40.



Vibrating alert is active. See "Customize a profile," p. 38.



You are roaming outside your home network.
See "Roaming options," p. 53.



You are in a 1XRTT network.




You are in a digital network.



You are in an analog network.



or  Off-hook, call, or data call in progress.

■ Get the most out of this guide

The following sections illustrate the various components of your phone. Familiarize yourself with these sections to help you understand the instructions that follow.

This guide uses certain terms for the steps that you are asked to perform.

- Press means to press and release a key quickly. For example, press 7 means press the key on the keypad that is labeled with the number 7 and the letters pqrs.
- Press and hold means to press and hold a key for 2–3 seconds; then release the key.
- Selection keys are used to select a menu option. To select an option, press the selection key below the menu item on the phone screen.
- Scroll keys are used to move up, down, left, or right in the menus.
- Call and End keys: Press the call key to place a call or to answer an incoming call. Press the end key to end a call or press and hold to return to the standby mode.

■ Phone menus

Phone features are grouped according to function and are accessed through the main menus. Each main menu contains submenus and lists from which you can select or view items and customize your phone features. You can access these menus and submenus by using the scroll method or by using a shortcut.

Some features may not be available, depending on your network.

For more information, contact your wireless provider.

The scroll method

1. In the standby mode, select *Menu*, and scroll up and down through the main menus using the four-way scroll key.



As you scroll through the menus, the menu number appears in the upper right corner of the display. Below the number is a scroll bar with a tab that moves up or down on the right side of the display screen as you scroll through the menus, providing a visual representation of your current position in the menu structure.

2. When you arrive at a menu, press *Select* (the left selection key) to enter submenus or, when the browser appears on display, select *Connect* to enter that menu.
 - Select *Back* (the right selection key) to return to the previous menu.
 - Select *Back* or the *End* key from any submenu or select *Exit* from the main menu level to return to the standby mode.

In-phone help

Many features have brief descriptions (help text) which can be viewed on the display. To view these descriptions, scroll to a feature, and wait for about 15 seconds. Select *More*, when necessary, to view all of the description, or select *Back* to exit.

In order to view the descriptions, you must first activate help text.

In the standby mode, select *Menu > Settings > Phone settings > Help text activation > On or Off*.

2. Set up your phone

■ Antenna

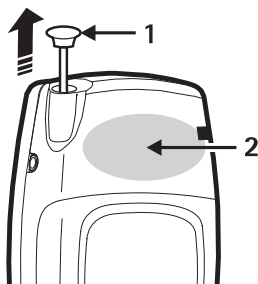
Your phone has two antennas:

- The retractable antenna is active when fully extended (1).
- The internal antenna is always active (2).

In the Nokia 6016i phone, the GPS antenna is also internal and is activated when placing emergency calls or when *On* is selected from the *Location info sharing* menu. For more information on location info sharing, see "Location info sharing," p. 40.

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

Your device has an external antenna. Extend the external antenna as far as possible while in use.



Note: As with any other radio transmitting device, do not touch either of the antennas 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. Not touching the antenna area during a phone call optimizes the antenna performance and the battery life.



■ Change the battery

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

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

Set up your phone

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7 and ACP-12 chargers.

For availability of approved enhancements, please check with your dealer.

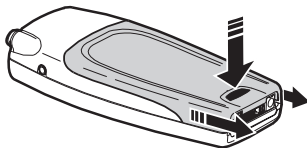
When you disconnect the power cord of any enhancement, grasp and pull the plug, not the cord.



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.

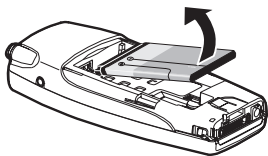
Remove the back cover

1. With the back of the phone facing you, push down on the back cover release button.
2. Slide the back cover toward the bottom of the phone and remove.



Remove the battery

After you have removed the back cover, insert your finger into the finger grip, and lift the battery from its compartment.

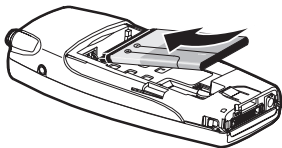


Replace the battery

1. Position the battery so the positive and negative indicators on the battery match up with the positive and negative indicators on the phone.

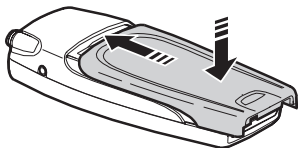
The battery label should be facing away from the phone.

2. Insert the battery, gold-colored contact end first, into the battery slot.
3. Push down on the other end of the battery to snap the battery into place.



Replace the back cover

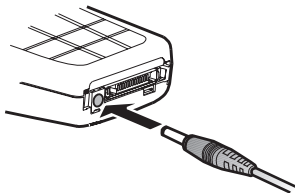
Slide the back cover toward the top of the phone until the back cover is securely in place.



Charge the battery

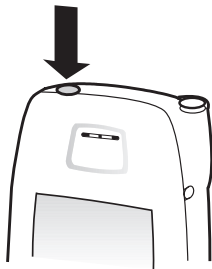
1. Plug the charger into a standard ac outlet.
2. Insert the charger output plug into the round jack at the bottom end of the phone.

After a few seconds, the battery indicator in the display starts to scroll from bottom to top. 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.




■ Turn your phone on or off

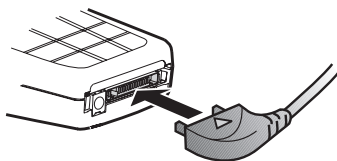
1. To turn your phone on or off, press and hold the **Power** key on top of the phone for at least 3 seconds.
2. If Phone lock is enabled, enter the lock code. See "Security settings," p. 49 if necessary and select *OK*.



■ Connect the headset

A compatible headset, such as HS-5, may be purchased with your phone or separately as an enhancement. See "Enhancements," p. 67.

1. Plug the headset connector into the Pop-Port™ connector at the bottom end of your phone.
 appears on the standby mode screen.



2. Position the headset on your ear.
 With the headset connected, you can make, answer, and end calls as usual.
 - Use the keypad to enter numbers.
 - Press the call key to place a call.
 - Press the end key to end a call.

You can also plug a compatible headset into the 2.5mm headset jack on the side of your phone to allow hands-free operation. See "Enhancements," p. 67.

■ Make a call



Note: Before making or receiving a call, fully extend the retractable antenna.

Using the keypad

1. Enter the phone number (including the area code), and press the call key.
(To delete a character to the left of the cursor, select *Clear*.)
2. Press the end key to end the call, or select *End call* to cancel the call attempt.

Using the contacts list

1. In the standby mode, scroll up or down to the entry you wish to view.
2. Press the call key to make the call, or select *Details* to view details of the entry.

Using the last dialed number

1. In the standby mode, press the call key to display the last 20 numbers dialed.
2. Scroll to the number (or name) you wish to redial, and press the call key.

Conference calling

Conference calling is a network service that allows you to take part in a conference call with two other participants.

1. Make a call to the first participant.
2. With the first participant on the line, select *Options > New call*.
3. Enter the phone number of the second participant, or select *Search* to retrieve a number from the contacts list.
4. Select *Flash*. The first participant is put on hold.
5. When the second participant picks up, press the call key to connect the calls.
6. To end the conference call, select *Options > End all calls*, or press the end key.

■ Answer calls

Answer, silence, or decline an incoming call

Silence or *Decline* is a carrier dependent feature.

1. Press the call key or select *Answer* to answer the call.
2. To mute the ringing tone, select *Silence*. If you do not answer the call, the call is eventually forwarded to voice mail.
3. To dismiss and forward the call to voice mail, select *Decline* after you have muted the ringing tone or press the end key at any time.

Answer a call with the keypad locked

To answer a call with the keypad locked, simply press the call key. During the call, all features function as normal. When you end the call, the keypad automatically relocks. See "Keyguard," p. 18.

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

Adjust the earpiece volume

While in a call, scroll right or left to adjust the volume of the earpiece.

When adjusting the volume, a bar chart appears in the display indicating the volume level.

Use the loudspeaker



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

You can use your phone as a loudspeaker during a call. While in a call:

- To activate the loudspeaker, 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.

Options during a call

Many of the options that you can use during or after a call, are network services. Check with your wireless service provider for more information.

1. Select *Options* during a call to display the following options:

Mute or Unmute—Silence your end of the call.

Loudspeaker or Handset—Activate or deactivate the loudspeaker while in a call.

New call—Initiate a conference call. See "Conference calling," p. 16.

End all calls—Disconnect from all active calls.

Touch tones—Enter the numbers, and select *Tones* to send as tones.

Contacts—View the contacts list.

Menu—View the phone menu.

2. Scroll to an option, and *Select* to activate the option or enter its submenu.

■ Keyguard

With keyguard, you can lock the keypad to prevent keys from being pressed accidentally. If the keypad is locked, it unlocks when you receive a call. After the call, the lock automatically reactivates. Remember to lock your phone keypad to prevent accidental calls.

When the keyguard is on, calls still may be possible to the official emergency number programed into your phone. See "Automatic keyguard," p. 43.

Lock the keypad

Select *Menu*; then press * within 2 seconds.

Unlock the keypad

Select *Unlock*; then press * within 2 seconds.

3. Text entry

You can use two methods for entering text and numbers: Standard mode and Predictive text mode.


Select *Clear* to backspace the cursor and delete a character. Select and hold *Clear* to backspace continuously and delete characters.


■ Standard mode


Standard mode is the only way to enter text into the contacts list and to rename caller groups.

Text (Abc)


- Press a key once to insert the first letter on the key, twice for the second letter. If you pause briefly, the last letter in the display is accepted, and your phone awaits the next entry.
- Press 0 to enter a space, thereby accepting a completed word.
- Press 1 to insert a period into your message.
- Press * to display a complete list of special characters.
- Press # to switch between uppercase, lowercase, and sentence case text, and between standard and predictive text mode. Case and mode are indicated by the following icons that appear in the upper left of the display screen:


 Sentence case text: standard mode is on.

 Lowercase text: standard mode is on.

 Uppercase text: standard mode is on.

 Sentence case text: predictive text mode is on.

 Lowercase text: predictive text mode is on.

 Uppercase text: predictive text mode is on.

Numbers (123)

To switch to 123 mode from Abc mode, press and hold # at any text entry screen until the icon in the upper left corner of the display switches from Abc to 123 or back.

In text modes (Abc, abc, ABC and predictive text), you can also enter the number by holding the number key down.

Punctuation and special characters

While at any text entry screen, press * to display special characters (press and hold * if predictive text is on). Press * again to cycle through all available characters. You can navigate through the list of special characters by using the **Four-way scroll** key. When a character is highlighted, select *Use* to insert the character into your message.

■ Predictive text input

Predictive text input allows you to write messages quickly using your keypad and the built-in dictionary. It is much faster than the standard mode method, because for each letter, you only press the corresponding key on your keypad once.

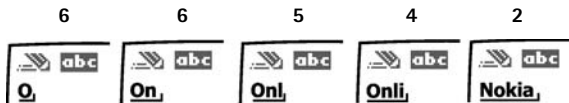
Activate or deactivate

Predictive text is turned on or off, depending on its previous mode.

1. At any text entry screen, select *Options* > *Predictive text*.
2. Scroll to the language of your choice, and press *Select*.

Text entry

The illustration below simulates your display each time a key is pressed. For example, to write Nokia with predictive text on and with the English dictionary selected, press each of the following keys once:



- Press 0 to enter a space, and begin writing the next word.
- If a displayed word is not correct, press * to see other matches. To return to the previous word in the list of matches, select *Previous*.
- If ? appears after a word, select *Spell* to add the word to the dictionary.
- Press 1 to insert a period into your message.
- Press and hold * to display special characters. Press * again to cycle through all available characters.

4. Call log



Call log stores information about the last 20 missed, 20 received, and 20 dialed calls. It also adds the total duration of all calls. When the number of calls exceed the maximum, the most recent call replaces the oldest.

Whether viewing missed, received, or dialed calls, the menu options are the same:

Call time—Display the date and time of the call.

Send message—Send a message to the number.

View number—Display the number.

Use number—Edit the number and associate a name with the number.

Save—Enter a name for the number and save it to your contacts list.

Add to contact—Add the number to an existing entry in your contacts list, if the number is not associated with a name.

Delete—Clear the number from memory.

Call—Call the number.

■ View dialed numbers

Dialed calls are previous numbers you have dialed from your phone:

1. In the standby mode, press the call key, or select *Menu > Call log > Dialed numbers*.
2. Scroll to a name or number.
3. Select *Options* and an option to view or activate.

Call times

You can make or receive calls to or from the same number and view up to five calls with the time each call occurred. Your phone clock must be set for this feature to work accurately.

1. While viewing a missed or received call, select *Options > Call time*.
2. Scroll to view the most recent call times from this number, or select *Back* to return to the options list.

■ View received calls

Received calls are calls that have been answered.

1. In the standby mode, select *Menu > Call log > Received calls*.
2. Scroll to a name or number, and select *Options*.
3. Scroll to an option, and press *Select* to view or activate the option.

■ View missed calls

Missed calls are calls that were never answered.

The missed calls feature does not function when your phone is switched off.

1. If the message notification display appears in the display, select *List*.
2. When the phone number appears in the display, select *Options* and an option to activate.
3. If no message notification is displayed, in the standby mode, select *Menu > Call log > Missed calls*.
4. Scroll to a name or number.
5. Select *Options* and an option to view or activate.

■ Delete call registers

You can delete any missed, dialed, or received calls from phone memory.

1. In the standby mode, select *Menu > Call log > Delete recent call lists*.
2. Select the call type you would like to clear (*All, Missed, Received, or Dialed*).

■ View duration of minibrowser

Minibrowser is a network service. See "Network Services," p. 6. If your wireless service provider supports this feature, you can view the size or duration of sent or received data from the minibrowser.



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

In the standby mode, select *Menu > Call log > Minibrowser calls* and one of the following options:

Last sent browser data—View the size (KB) of the last send browser data.

Last received browser data—View the size (KB) of the last received data.

All sent browser data—View the size (KB) of all sent browser data.

All received browser data—View the size (KB) of all received browser data.

Last browser session—View the duration time of the last browser session.

All browser sessions—View the duration time of all browser sessions.

Clear all browser logs—Select *OK > Yes* to clear all browser logs.

■ View duration of calls



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.

5. Messages



If you have subscribed to a messaging service through your wireless provider, you can send and receive text messages to compatible phones that also subscribe to a compatible message service. You may also be able to send and receive e-mail messages.

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

Composed messages can be up to 140 characters in length as indicated by counter in upper right corner of screen. Using Unicode characters takes up more space. If there are Unicode characters in your message, the indicator may not show the message length correctly.



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

■ Text messages

Write and send

1. In the standby mode, select *Menu > Messages > Text messages > Create message > Add number or Add e-mail*.
2. Enter the recipient's phone number or e-mail address, or select *Search* to retrieve a number from your contacts list, and select *OK*.
3. Repeat step 2 to add more recipients.
4. Select *Options > Enter text*.
5. Compose a message using the keypad, and select *Options > Send*.

Options

When you create or reply to a text message, depending on the mode of text input you are using and the features supported by your wireless service provider, some or all of the following options are available:

Messages

Send—Send the message to recipient.

List recipients—Send the message to more than one recipient, or delete or edit the recipient list.

Settings—Set the priority of the message.

Save message—Select *Sent items* to save the message in the sent items folder;

Templates—To save the message as one of your predefined templates.

Archive—To save the message in your archive.

Clear text—Erase the text clipboard.

Exit editor—Save the message to your sent items folder automatically, and leave the message editor.

Insert contact—Insert a name from your contacts list into your message.

Insert number—Insert a phone number or find a phone number in the contacts list.

Use template—Insert a predefined template into your message.

Insert word/Edit word—Enter or edit the text of a new word that might not appear in the predictive text dictionary. This displays only when the predictive text is set to on.

Insert symbol—Insert a special character into your message. This displays only when the predictive text is set to on.

Predictive text—Choose a predictive text language, and turn the predictive text on or off.

Templates

Templates are short, prewritten messages that can be recalled and inserted into new text messages when you are short on time.

In the standby mode, select *Menu > Messages > Text messages > Create message > Enter text > Options > Use template*.

Read messages



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

When you receive a text message, a notification message and the unopened letter icon (✉) appear in the display.

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

When you have unopened messages in your inbox, ✉ is shown in the upper left corner of the standby mode as a reminder.

Scroll up and down to view the whole message if necessary.

2. Select *Options > Reply*.
3. Select a *Start reply with* option; then compose your reply using the keypad.
4. Select *Options > Send*.

Options

When you read a text message, depending on the mode of text input you are using and the features supported by your wireless service provider, some or all of the following options are available:

Delete—Discard the message.

Reply—Reply to the message. Create the message, and select *Options > Send*.

Use number—Choose *Save*, *Add to contact*, *Send message*, or *Call*.

Save—Save the message to a folder.

Forward—Forward the message to another phone number.

Rename—Edit the title of the message.

Change sending options



Note: Some or all of the following options may be available as determined by your carrier.

In the standby mode, select *Menu > Messages > Text messages > Message settings > Sending options* and select the setting you wish to change:

Priority—Set the priority of the note as *Normal* or *Urgent*.

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

Send callback number—A callback number is sent to the recipient. Select *Off* or your phone number.

Change message settings

When the message memory is full, your phone cannot send or receive any new messages. However, you can set your phone to automatically overwrite selected messages in the *Inbox* or *Sent items* folders when new messages arrive.

In the standby mode, select *Menu > Messages > Text messages > Message settings > Other settings* and select the setting you wish to change:

Message font size—Select *Small font* or *Large font*.

Message overwriting—Select *Sent items only*, *Inbox only*, *S. items & inbox*, or *Off*.

Save to sent items as sending—Select *Always save*, *Always prompt*, or *Off*.

■ Voice messages

If you subscribe to voice mail, your wireless provider will furnish you with a voice mailbox number. You need to save this number to your phone to use voice mail. When you receive a voice message, your phone lets you know by beeping, displaying a message, or both. If you receive more than one message, your phone shows the number of messages received.

Save voice mailbox number

Your wireless provider may have already saved your voice mailbox number to your phone. If so, the number will appear in the display in step 1. Select *OK* to leave the number unchanged.

1. In the standby mode, select *Menu > Messages > Voice messages > Voice mailbox number*.
2. If the number entry window is empty, enter the voice mailbox area code and number.
3. Select *OK*.

Call and setup your voice mail

1. When you save the voice mailbox number, press and hold 1.
2. When you connect to voice mail and the prerecorded greeting begins, follow the service's automated instructions to setup your voice mail.

Listen to your voice messages

When you setup voice mail, you can dial the voice mailbox number in one of four ways:

- Dial the number using the keypad.
- Press and hold 1.
- Select *Listen* if there is a notification message in the display.
- In the standby mode, select *Menu > Messages > Voice messages > Listen to voice messages*.

When you connect and the prerecorded greeting begins, follow the automated instructions to listen to your voice messages.

Automate voice mail

You can insert special characters called dialing codes into phone numbers such as voice mail, and save them to a 1-touch dialing location. Dialing codes instruct the receiving system to pause, wait, bypass, or accept the numbers that follow them in the dialing string.

Voice mail services vary by service provider. The following instructions are examples of common operations. Please check with your service provider for specific instructions for using your voice mail service.

Write down voice mailbox process

1. Press and hold the 1 key to call your voice mail by as you normally would.
2. Write down your interaction with the recorded prompts step-by-step. Keep in mind that each voice mail service may vary. However, it should look something like this:
Dial 2145551212, pause 5 seconds, press 1, pause 2 seconds, press 1234, press #.

Be precise; you will need this information in "Setup voice mail with dialing codes," p. 27.

Insert dialing codes

Press * repeatedly to cycle through dialing codes. When the desired code appears in the display, pause briefly and the code is inserted into the dialing string.

The following dialing codes are available:

- *—Bypasses a set of instructions.
- +—International prefix.
- p—Pauses for 2.5 seconds before sending any numbers that follow.
- w—Waits for you to press the call key before sending the numbers or codes that follow.

Setup voice mail with dialing codes

1. In the standby mode, select *Contacts > 1-touch dialing*.
2. Scroll to 1-touch dialing slot 1 and select *Assign*.
3. Your voice mailbox number is preprogrammed into 1-touch dialing slot 1.
4. Refer to dialing codes and enter any codes as necessary using the information that you wrote down from "Write down voice mailbox process," p. 27.
For example, if you pause for 5 seconds after connecting to voice mail, enter p twice after the voice mailbox number, for example, 2145551212pp.
5. Enter any remaining pauses or other information that allows you to listen to your messages, and select *OK*.
6. Enter a name (such as voice mail), and select *OK*.

To dial and listen to your voice mail, press and hold the 1 key from standby mode.

■ Minibrowser messages

Minibrowser messaging is a network service. See "Network Services," p. 6.

If your wireless service provider supports this feature, you can use the minibrowser to check for e-mail messages. In the standby mode, select *Menu > Messages > Minibrowser messages > Connect*.

For more information on using the minibrowser in your phone to access Web pages see "Minibrowser," p. 62.

■ Message folders

Save messages to folders

You can save drafts of messages or received messages to an existing folder or to a folder that you have created.

Only folders created in *My folders* can be deleted. The *Inbox*, *Sent items*, *Archive*, and *Templates* folders are protected. When you delete a folder, all messages in the folder are also deleted.

Open the received message or create a new message, and select *Options > Save > Save message > Sent items, Archive, or an existing folder*.

- If you are saving messages from your inbox select *Messages > Options > Save or Save message > Sent items, Archive, Template, or a folder you have created*.
- If you are saving messages from *Sent items*, select *Messages > Options > Save or Save message > Archive or Template*.
- If you are saving messages from *Create message*, select *Messages > Options > Save or Save message > Sent items or Archive*.

View saved messages

1. In the standby mode, select *Menu > Messages > Text messages*.

2. Select the folder containing the message you wish to view:

Inbox—Messages are automatically stored in this folder after they are read or if you select *Back* when the message notification appears on the standby mode.

Sent items—Messages previously sent are automatically stored in this folder.

Archive—Store messages that you want to keep in this folder.

Templates—Pictures and prewritten templates are stored in this folder. Preloaded templates can be edited and customized.

My folders—Allows you to organize your messages by creating custom folders and saving some of your messages here. Select *Options > Add folder* to add a custom folder. If a folder already exists, you can also select *Options > Rename folder* or *Delete folder* to rename or delete a folder you have created.

- When the folder opens, select the message you wish to view.

■ Delete messages

If your message memory is full, *Message overwriting* setting is off, and you have more messages waiting at the network. *No space for new messages* appears in the standby mode. You can do the following:

- Read some of the unread messages, and delete them individually.
- Delete messages from some of your folders.

Delete a single message

To delete a single message, you must open it first.

- In the standby mode, select *Menu > Messages > Text messages*.
- Select the folder containing the message you wish to delete.
- Select the message you wish to delete.
- Select *Options > Delete*.
- Select *OK* to delete the message or *Back* to exit.

All messages in a folder

- In the standby mode, select *Menu > Messages > Text messages > Delete messages*.
- Select the folder containing the messages you wish to delete:
 - All*—Deletes all messages in all of the folders.
 - All read*—Deletes any messages which have been read in all of the folders.
 - All unread*—Deletes any messages which have not been read in all of the folders.
 - Inbox*—Deletes all messages from the *Inbox* folder.
 - Sent items*—Deletes all messages from the *Sent items* folder.
 - Archive*—Deletes all messages from the *Archive* folder and all user created folders.
 - User defined folders—All user defined folders that the user has added under *My folders* are displayed at the end of the predefined folders.
- Select *OK* to empty the folder.

6. Contacts



The contacts list can hold up to 250 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.

■ View the contacts list

1. In the standby mode, select *Contacts*. The following options are displayed:

Search—Find a name or select from a list.

Add new—Add a contact to your contacts list.

Edit name—Edit an existing name.

Delete—Delete a name and its associated numbers.

Add number—Add a number to an existing name.

Settings—Change the contacts list view, check the memory status of your phone.

1-touch dialing—View or modify the list of 1-touch dialing numbers.

Voice tags—Attach, listen to, or modify a voice tag to a contact in the contacts list.

My number—View your own phone number.

Caller groups—View and edit the properties for any of the caller groups, including *Family*, *VIP*, *Friends*, *Business*, or *Other*.

2. Select an item to activate the feature or enter its submenu.

■ Search

In the standby mode, select *Contacts* > *Search*; then highlight and *Select* the contact you wish to view.

Fast search for a name

1. In the standby mode, scroll down to display the contents of your contacts list.
2. Press the key which corresponds to the first letter of the name for which you are performing a search.
3. Highlight a contact, and select *Details* to view the details.

■ Add new contacts

Add numbers to a contact

Save a name and number

1. In the standby mode, use the keypad to enter the phone number you wish to save.
2. Select *Options > Save*.
3. Enter the name, and select *OK*.

Save (only) a number

1. In the standby mode, use the keypad to enter the phone number you wish to save.
2. Select and hold *Options*.

Save an entry

1. In the standby mode, select *Contacts > Add new*.
2. Enter the name, and select *OK*.
3. Enter the phone number, and select *OK > Done*.

Save multiple numbers and text items

You can save different types of phone numbers and short text items per name to the phone memory. The first number you save for any entry is automatically set as the default, but the default number can always be changed.

1. In the standby mode, scroll down to display a list of entries and to the entry to which you wish to add a phone number or text item.
2. Select *Details > Options > Add number* or *Add detail*.
3. Select *General, Mobile, Home, Fax, E-mail, Web address, or Note*.
4. Enter the number or text for the type you have selected, and select *OK*.
5. To change the type (*E-mail, Web address, or Postal addr*), select *Change type* in the options list.

You can also change which phone number is the default number for the contact entry.

1. In the standby mode, scroll to the entry you wish to change, and select *Details*.
2. Scroll to the number you wish to set as default, and select *Options > Set as default*.

■ Edit contacts list entries

1. In the standby mode, scroll down to display the contents of your contacts list.
2. Scroll to the entry you would like to edit, and select *Details*.

Edit phone number

Highlight the phone number you would like to edit, and select *Options*, and select one of the following options:

Add voice tag—Add a voice tag to the contact.

Edit number—Edit an existing phone number of the contact.

Delete number—Delete a phone number from the contact.

Use number—Display the phone number on the standby mode to be called.

View—View the details of the contact.

Change type—Change the number type to *General*, *Mobile*, *Home*, or *Fax* or the detail type to *E-mail*, *Web address*, or *Note*.

As primary no.—Sets number to top of contact's list.

Add number—Add a number to the contact.

Add detail—Add an address or note to the contact.

Caller groups—Add the contact to an existing caller group.

Custom tone—Add a custom ring tone to the contact.

Send bus. card—Send the contact as a business card to another phone.

Send message—Create and send a message to the contact.

1-touch dialing—Add the contact to your 1-touch dialing list.

Edit name—Edit the name of the contact.

View name—View the name of the contact.

Delete—Delete the entire contact entry from your contacts list.

E-mail address entry

Highlight the e-mail address entry you would like to send or update, and select *Options*, and select one of the following options:

Send e-mail—Send an e-mail.

Edit detail—Edit existing details of e-mail.

Delete detail—Delete existing e-mail.

View—View the details of the e-mail contact.

Change type—Change the e-mail type to *Web address* or *Note*.

Add detail—Add an address or note to the entry.

Add number—Add a number to the entry.

Caller groups—Add the e-mail to an existing caller group.

Custom tone—Add a custom ring tone to the contact.

Send bus. card—Send the contact a business card.

Edit name—Edit the name of the contact.

View name—View the name of the contact.

Delete—Delete the entire e-mail entry from your contacts list.

Edit Web address

Highlight the web address entry you would like to edit, and select *Options*, and select the option you wish to perform (*Web address* or *Note*), and *OK*.

■ **Delete contacts list entries**

1. In the standby mode, select *Contacts > Delete*.
2. To delete individual entries, select *One by one*.
3. Scroll to the entry you wish to delete, and select *Delete > OK* to confirm.
4. To delete the entire contents of your contacts list, select *Delete all > OK*.
5. Select *OK* to confirm or *Back* to return to *Contacts*. If *OK*, enter the security code, and select *OK*. See "Security settings," p. 49.

■ **Configure settings**

You can choose how the contacts appear in your contacts list and view the amount of memory used or available in your phone.

For more information on used and available memory, see "Shared memory," p. 7.

In the standby mode, select *Contacts > Settings*, and one of the following options:

Scrolling view—To choose how names and numbers stored in the contacts list are viewed. Select *Name list*, or *Name and no. view*.

Memory status—View the amount of memory used in phone book.

■ **Set up 1-touch dialing**

You can associate any entry in the contacts list with a key from 2–9; to dial these entries press and hold the assigned key. See "1-touch dialing," p. 41 to activate or deactivate 1-touch dialing.

Assign a key to 1-touch dialing

1. In the standby mode, select *Contacts > 1-touch dialing*.
2. Scroll to an (*empty*) 1-touch dialing slot, and select *Assign*.

Contacts

3. Enter the number (including the area code), and select *OK*; or select *Search* to retrieve a number from the contacts list.
4. Enter a name for the number, and select *OK*.
If 1-touch dialing is off, the phone displays a prompt asking if you would like to turn 1-touch dialing on.
5. Select *Yes* to activate 1-touch dialing.

Change 1-touch dialing numbers

1. In the standby mode, select *Contacts > 1-touch dialing*.
2. Scroll to the 1-touch dialing entry you wish to change, and select *Options > Change*.
3. Enter the new number or select *Search* to retrieve a number from the contacts list; and select *OK*.
4. Enter a name for the entry, and select *OK*.

Delete 1-touch dialing numbers

1. In the standby mode, select *Contacts > 1-touch dialing*.
2. Scroll to the 1-touch dialing location you wish to delete, and select *Options*.
3. Select *Delete > OK*.


■ Set up voice tags

Assign a voice tag to an entry

Before you can use voice dialing, you must first assign a voice tag to the number.

1. In the standby mode, scroll down to enter the contacts list.
2. Highlight the contact you want to assign a voice tag, select *Details > Options > Add voice tag > Start*.
3. Speak clearly into the microphone. Do not select *Quit* unless you want to cancel the recording.

The phone automatically stops recording and saves and replays the voice tag.

The  icon appears next to commands which have voice tags assigned.

If recording is not successful, your phone displays *Voice system error*.

Select *Options > Add voice tag*, and repeat Step 3.

Dial a number

In the standby mode:

1. Select and hold *Contacts*.
2. When you hear several beeps and *Speak now* appears, release the key.
3. Pronounce the voice tag clearly into the microphone.

When the phone finds the voice tag, *Found:* appears, and the phone automatically dials the number. If the phone does not locate a number or recognize the voice tag, *No match found* appears.

Voice tag options

After you have associated a voice tag to a contact, you can choose one of the following options:

Playback

1. Select *Menu > Contacts > Voice tags*.
2. Scroll to the name with the voice tag you want to hear.
3. Select *Options > Playback*.

Change

1. Select *Menu > Contacts > Voice tags*.
2. Scroll to the name with the voice tag you want to change.
3. Select *Options > Change*.
4. Select *Start* and speak clearly into the microphone. The phone repeats your voice tag, and *Voice tag saved* appears.

Delete

1. Select *Menu > Contacts > Voice tags*.
2. Scroll to the name with the voice tag you want to erase.
3. Select *Options > Delete > OK*.

■ Caller groups

You can add contacts list entries to any of five caller groups, and assign a unique ringing tone or graphic to that group. This enables you to identify callers from the group by their unique ringing tone or graphic.

Setup a caller group

1. In the standby mode, scroll down to display a list of entries in your contacts list.
2. Scroll to a name you would like to add to a caller group, and select *Details*.
3. Select *Options > Caller groups*.
4. Select the caller group to which you would like to add the name.

Options

1. In the standby mode, select *Contacts > Caller groups > Family, VIP, Friends, Business, or Other*.
2. Select a group to display the following caller group options:
 - Rename group*—Rename the group to your preference.
 - Group ringing tone*—Set the ringing tone for the group.
 - Group logo*—Turn the graphic for the caller group on or off or view the graphic.
 - Group members*—Add or remove members from the caller group.

■ Send and receive contacts (business cards)

You can send and receive an entry in your contacts list using text messaging, if supported by your wireless provider.

Send a business card

You can send a business card as a text message to a compatible phone or other handheld device.

1. Highlight the entry from the contacts list that you wish to send, and select *Details > Options > Send bus. card > Via text msg. > All details*.
2. Enter the number for your recipient, or select *Search* to retrieve a number from your contacts list.
3. Select *OK* and the business card is sent.

The *All details* options appear only if you have more than one number or detail saved to the contact entry.

7. Gallery



You can save wallpaper and ringing tones to folders in the gallery, or create folders of your own and save them there. You can download wallpaper and tones from web sites.

■ Open the gallery

In the standby mode, select *Menu > Gallery*. The following submenus are displayed:

View folders—Explore the folders in the gallery menu. See *Folders* in the following section for more info.

Add folder—Add a folder of your own.

Delete folder—Delete a folder you have created.

Rename folder—Rename a folder you have created.

Gallery downl.—Get new wallpaper or ringing tones.

■ Folders

In the standby mode, select *Menu > Gallery > View folders > Images, Wallpaper, or Tones > Open* to access the following options:

Delete folder—Delete a folder you have created. You cannot delete a preset folder.

Move—Move the selected folder into another folder. After selecting *Move*, scroll to another folder, and select *Options > Move*. You cannot move a preset folder.

Details—Show the name, size, and date of creation of the selected folder.

Type of view—Select *List with details, List, or Grid* to determine how the folders and the files within folders are displayed.

Sort—Sort the contents of the selected folder by name, date, format, or size.

■ Gallery downloads

To get new ringtones and wallpaper, use the gallery download option.

In the standby mode, select *Menu > Gallery > Gallery downl. > Graphic downl. or Tone downlds.*

8. Settings



Use this menu to change the time settings, call settings, phone settings, display settings, tone settings, enhancement settings, security settings, network, network services, and to restore the factory settings.

■ Profiles

Profiles define how your phone reacts when you receive a call or message, how your keypad sounds when you press a key, and more. Ringing options, keypad tones, and other settings for each of the available profiles can be left at their default setting or customized to suit your needs. The following profiles are available: *Normal*, *Silent*, *Meeting*, *Outdoor*, and *Pager*.

Profiles are also available for enhancements such as a headset and car kit. For more information about enhancement profiles, see "Enhancement settings," p. 47.

Activate a profile

In the standby mode, either scroll up or select *Menu > Settings > Profiles*, and select the profile of your choice.

Customize a profile

You can customize any of the profiles a variety of ways.

You cannot rename the *Normal* profile.

1. In the standby mode, select *Menu > Settings > Profiles*.
2. Select the profile you wish to customize.
3. Select *Customize* and the option you want to customize.

Set a timed profile

Timed profiles can be used to prevent missed calls. For example, suppose you attend an event that requires your phone be set to *Silent* before the event starts, but you forget to return it to *Normal* until long after the event. A timed profile can prevent missed calls by returning your phone to the default profile at a time you specify. Timed profiles can be set up to 24 hours in advance.

1. In the standby mode, select *Menu > Settings > Profiles*.
2. Select the profile you wish to activate and *Timed* for timed expiration.
3. Enter the time for the profile to expire, and select *OK*.


■ Voice commands

You can set as many as five voice commands, which allow hands-free operation of certain phone features.

Assign a voice tag to a command

Before using voice commands, you must first add a voice tag to the phone function.

1. In the standby mode, select *Menu > Settings > Voice commands > Profiles, Voice mailbox, Voice recorder, or Call log.*
2. Select the phone function you wish to tag ().
3. Select *Options > Add command.*
4. Select *Start*, and speak the voice tag clearly into the microphone.
Do not select *Quit* unless you want to cancel the recording.

The phone replays and saves the recorded tag.  appears next to commands which have voice tags assigned.

Activate a voice command

After you have associated a voice tag with a phone function, you can issue a command by speaking the voice tag.

1. Select and hold *Contacts*.
2. When *Speak now* appears, pronounce the voice tag clearly into the microphone.

When the phone finds the voice tag, *Found* appears and the phone plays the recognized voice tag through the earpiece. The function you requested is activated.

Options

After you have associated a voice tag to a command, you can choose one of the following options:

- *Playback* to listen to the voice command tag.
- *Change* to change the voice command.
- *Delete* to erase the voice command tag.

Voice dialing

You can dial up to 25 stored numbers using voice dialing.

Before using voice tags, note the following:

- Voice tags are not language-dependent. They are dependent on the speaker's voice.
- You must say the name exactly as you said it when you recorded it.

Settings

- Voice tags are sensitive to background noise. Record voice tags and use them in a quiet environment.
- Very short names are not accepted. Use long names and avoid similar names for different numbers.



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

■ Call settings


Location info sharing


Location info sharing is a network service. See "Network Services," p. 6.

If your wireless service provider supports this feature, then location info sharing allows the phone to share position information over the network. For calls to emergency numbers, this position information may be used by the emergency operator to determine the position of the phone. The functionality and accuracy of this feature is dependent on the network, satellite systems, and the agency receiving the information. It may not function in all areas or at all times.

Location information will always be shared with the network during emergency calls to the official emergency number programed into the phone, regardless of which setting is selected. After placing an emergency call the phone remains in emergency mode for 5 minutes. During this time, the location information will be shared with the network. For more information, see "Emergency calls," p. 74.

In the standby mode, select *Menu > Settings > Call settings > Location info sharing > 911 only or Location on > OK > OK*.

Emergency—This is the default profile. The phone location information is shared only during an emergency call to the official emergency number programed into your phone. The phone screen displays  in the upper left-hand corner of the standby mode.

Location on—The phone location information is shared with the network whenever the phone is powered on and activated. The screen displays  in the upper left hand corner of the standby mode.

Anykey answer

Anykey answer allows you to answer an incoming call by briefly pressing any key except the power key, right selection key, or end key.

In the standby mode, select *Menu > Settings > Call settings > Anykey answer > On or Off*.

Automatic redial

Occasionally, your network may experience heavy traffic, resulting in a fast busy signal when you dial. With automatic redial activated, your phone redials the number (number of times is specified by the network), and notifies you once the network is available.

In the standby mode, select *Menu > Settings > Call settings > Automatic redial > On or Off*.

1-touch dialing

You can activate or deactivate 1-touch dialing. In the standby mode, select *Menu > Settings > Call settings > 1-touch dialing > On or Off*. For more information on entering 1-touch dialing numbers, see "Set up 1-touch dialing," p. 33.

Auto-update of service

Your phone is capable of receiving updates to wireless services sent to your phone by your service provider. This option is a network service.

In the standby mode, select *Menu > Settings > Call settings > Auto-update of service > On or Off*.

Minibrowser confirmation

You can give confirmation when you connect or disconnect from the minibrowser.

In the standby mode, select *Menu > Settings > Call settings > Minibrowser confirmation* and one of the following options:

None—The phone will not ask for confirmation before connecting or disconnecting from the minibrowser.

On connection—Your phone asks for confirmation before connecting to the minibrowser.

On exit—Your phone asks for confirmation before disconnecting from the minibrowser.

Both—Your phone asks for confirmation before connecting or disconnecting from the minibrowser.

Calling card

If you use a calling card for long distance calls, you can save the calling card numbers in your phone. Your phone can store up to four calling cards.

Contact your calling card company for more information.

Save information

1. In the standby mode, select *Menu > Settings > Call settings > Calling card*.
2. Enter your security code, and select *OK*. See "Lock code," p. 50.
3. Scroll to one of the four card memory locations, and select *Options > Edit > OK > Dialing sequence* and select one of the following sequence types:
 - Access no.+ phone no.+ card no.*—Dial the 1-800 access number, the phone number, then the card number (and the PIN if required).
 - Access no.+ card no.+ phone no.*—Dial the 1-800 access number, the card number (and the PIN if required), then the phone number.
 - Prefix+ phone no.+ card no.*—Dial the prefix (numbers that must precede the phone number) and the phone number you want to dial, then the card number (and the PIN if required).
4. Enter the required information (access number or prefix and card number), and select *OK* to confirm your entries.
5. Select *Card name*.
6. Enter the card name, and select *OK*.

Make calls

After you have saved your calling card information in your phone, you can make a call using your calling card.

1. In the standby mode, select *Menu > Settings > Call settings > Calling card*.
2. Enter your security code, and select *OK*. See "Lock code," p. 50.
3. Scroll to the calling card of your choice, and select *Options > Select > OK*.
4. Press the end key to return to the standby mode; then enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call.
 - See your calling card for instructions.
5. Press and hold the call key for a few seconds until *Card call* is displayed.
6. When you hear the tone or system message, select *OK*.

Call summary

Your phone can display the time spent on a call when you hang up.

In the standby mode, select *Menu > Settings > Call settings > Call summary > On or Off*.

■ Phone settings

Phone language

1. In the standby mode, select *Menu > Settings > Phone settings > Phone language*.
2. Select the language of your choice.

The phone language affects the time and date formats of the clock, alarm clock, and calendar.

Automatic keyguard

You can set the keypad of your phone to lock automatically after a preset time delay (from 10 seconds to 60 minutes).

1. In the standby mode, select *Menu > Settings > Phone settings > Automatic keyguard > On or Off*.
2. If you selected *On*, *Set delay* appears in the display.
3. Enter the delay (in minutes and seconds), and select *OK*.



Important: When keyguard is on, calls may be possible to dial the emergency number programed into your phone. Key in the emergency number, and press the call key.

Touch tones

Touch tones or DTMF tones, are the tones that sound when you press the keys on your phone keypad. You can use touch tones for many automated dial-up services such as banking and airlines, or for entering your voice mailbox number and password.

Touch tones are sent during an active call. You can send them manually from your phone keypad, or send them automatically by saving them in your phone.

Set type

In the standby mode, select *Menu > Settings > Phone settings > Touch tones > Manual touch tones* and one of the following options:

Continuous—The tone sounds for as long as you press and hold a key.

Fixed—Used to send tones of the duration you specify in the *Touch tone length* option.

Off—Used to turn off tones. No tones are sent when you press a key.

Set length

You can also specify touch tone length when using the *Fixed* option.

In the standby mode, select *Menu > Settings > Phone settings > Touch tones > Touch tone length > Short* (0.1 seconds) or *Long* (0.5 seconds).

Welcome note

You can write a welcome note which briefly appears on the display screen whenever you switch your phone on. Predictive text input is not available for entering welcome note text.

1. In the standby mode, select *Menu > Settings > Phone settings > Welcome note*.
2. Enter a note (up to 44 characters).
Press * to display and select from the available special characters.
3. When you are finished, select *Options > Save*; or select *Delete* if you want to delete the previous text and begin creating another welcome note.

Help text activation

Your phone displays brief descriptions for most menu items. When you arrive at a feature or menu, pause for about 10 seconds and wait for the help text to display. Scroll to page through the full help text, if necessary.

The default setting for help text is on. However, you can turn help text on or off.

In the standby mode, select *Menu > Settings > Phone settings > Help text activation > On or Off*.

■ Display settings

Wallpaper

You can set your phone to display a background picture (wallpaper) in the standby mode.

1. In the standby mode, select *Menu > Settings > Display settings > Wallpaper > Select wallpaper..*
2. Highlight the *Wallpaper* folder, and select *Open*.
3. Browse the folder.
4. When you arrive at the image of your choice, select *Options > Set as wallpaper..*

To activate or deactivate wallpaper, in the standby mode, select *Menu > Settings > Display settings > Wallpaper > On or Off*.

Color schemes

You can change the color of some display components in your phone, such as indicators and signal bars.

1. In the standby mode, select *Menu > Settings > Display settings > Color schemes*.
2. Select the color scheme of your choice.

Banner

Banner is a network service. See "Network Services," p. 6.

If your wireless service provider supports this feature, you can choose whether the display shows the operator logo when the phone is in the idle state.

In the standby mode, select *Menu > Settings > Display settings > Banner > Default or Customize*.

Display brightness

You can change the brightness of your phone display.

1. In the standby mode, select *Menu > Settings > Display settings > Display brightness*.
2. Scroll left or right to adjust the brightness level to your preference.
3. Select *OK* to accept your settings.

Screen saver timeout

If you have turned the screen saver on, the screen saver is activated when no function of the phone is used after a preset period of time. Press any key to deactivate the screen saver. You can set your phone to display a screen saver after a preset time or after a custom time (up to 60 minutes) of your choosing.

1. In the standby mode, select *Menu > Settings > Display settings > Screen saver timeout* and the option of your choice.
2. If you want to set a custom time (up to 60 minutes), select *Other*, enter the custom time, and select *OK*.

Backlight time-out

You can change the time-out value for the phone's backlight.

1. In the standby mode, select *Menu > Settings > Display settings > Backlight time-out*.
2. If you want to set a custom backlight time-out (up to 30 seconds), select *Always on*, *Always off*, *7 seconds*, *15 seconds*, or *30 seconds*.

If you select *Always on*, the backlight times out after 4 minutes. This option is designed for handsfree application and may deplete the battery faster.

■ Time and date settings

Clock

Show or hide the clock

In the standby mode, select *Menu > Settings > Time settings > Clock > Show clock* or *Hide clock*.

Set the time

1. In the standby mode, select *Menu > Settings > Time settings > Clock > Set the time*.
2. Enter the time (in hh:mm format), and select *OK*.
3. Select *am* or *pm* (if 12-hour format is selected).

Change the format

In the standby mode, select *Menu > Settings > Time settings > Clock > Time format > 24-hour* or *12-hour*.

Date

Show or hide the date

In the standby mode, select *Menu > Settings > Time settings > Date > Show date* or *Hide date*.

Set the date

1. In the standby mode, select *Menu > Settings > Time settings > Date > Set the date*.
2. Enter the date, and select *OK*.

Change the date format

1. In the standby mode, select *Menu > Settings > Time settings > Date > Date format* and select the format of your choice.
2. Select the *Date separator*, and the separator of your choice

Set the auto-update of date and time

Auto-update is a network service. See "Network Services," p. 6.

If your wireless service provider supports this feature, you can allow the digital network to set the clock, which is useful when you are out of your home area, for example, when you have traveled to another network or time zone.

In the standby mode, select *Menu > Settings > Time settings > Auto-update of date & time > On, Confirm first, or Off*.

If you use the *Auto-update of date & time* option while outside your digital network, you may be prompted to enter the time manually. Network time will replace the time and date when you reenter your digital network.

If your battery has been removed or has drained outside the digital network, you may be prompted to enter the time manually (once the battery is replaced or recharged, and you are still outside of the digital network).

■ Tone settings

From this menu, you can adjust the ringing volume, keypad tones, and other tone settings for the currently active profile. See "Customize a profile," p. 38.

Select *Menu > Settings > Tone settings* and one of the following:

Incoming call alert—Select how the device notifies you of an incoming call.

Ringing tone—Select the ringing tone for incoming calls.

Ringing volume—Set the volume of your ringing tone.

Vibrating alert—Turn the vibrating alert *On* or *Off*.

Message alert tone—Select the tone for received messages.

Keypad tones—Set the volume of your keypad tones (or turn them off).

Warning tones—Turn warning and confirmation tones *On* or *Off*.

Alert for—Define which caller groups the selected profile will accept or decline. See "Caller groups," p. 35.

■ Phone details

From this menu, you can check details of your phone service. Select *Menu > Settings > Phone details > User details, Version details, or System details*.

User details—Displays the mobile directory number (MDN) and own number.

Version details—Displays the phone model, hardware version, and software version of the phone.

System details—Displays the system ID, channel, pref. roaming list (PRL), mode, and frequency of the phone service.

■ Enhancement settings

The enhancement settings menu is shown only if the phone is or has been connected to a compatible enhancement.

In the standby mode, select *Menu > Settings > Enhancement settings > Headset, Handsfree, Loopset, TTY/TDD (carrier dependent), or Charger*.

Headset

Select the option of your choice, enter the submenu, and modify its settings.

Default profile—Choose the profile you wish to be automatically activated when a headset is connected.

Automatic answer—Calls are answered automatically after one ring when a headset is connected. Select *On* or *Off*.

Hands-free

Select the option of your choice, enter the submenu, and modify its settings.

Default profile—Choose the profile you wish to be automatically activated when your phone is connected to a car kit.

Automatic answer—Calls are answered automatically after one ring when a car kit is connected. Select *On* or *Off*.

Lights—Choose to keep the phone lights always on, or to shut off automatically after several seconds. Select *On* or *Automatic*.

Loopset

The LPS-4 Loopset (for use with T-coil equipped hearing aids) is recommended for use with your phone. Select the option of your choice, enter the submenu, and modify its settings.

Default profile—Choose the profile you wish to be automatically activated when a loopset is connected.

Automatic answer—Calls are answered automatically after one ring when a loopset is connected. Select *On* or *Off*.

TTY/TDD

This feature is dependent on your carrier. In addition to the Nokia phone, you will need the following for TTY/TDD communication:

- A TTY/TDD device that is cellular ready or cellular compatible.
- A cable for connecting the TTY/TDD to your Nokia phone, usually supplied by the manufacturer of the TTY/TDD device.

Set up the TTY/TDD profile

You can connect your phone directly to the TTY/TDD device. In order for your phone to recognize the TTY/TDD, you must set up the TTY/TDD profile.



Important: Some manufacturers of TTY/TDD devices suggest that the phone be at least 18 inches from the TTY/TDD device. When connecting to any other device, read its user guide or contact its manufacturer for detailed instructions and safety information.

1. Connect one end of the cable to the TTY/TDD device.
2. Insert the other end of the cable into the 2.5-mm headset jack on the side of your phone.
3. In the standby mode, select *Menu > Settings > Enhancement settings > TTY/TDD > Use TTY > Yes*.

TTY/TDD calls

Check with the manufacturer of the TTY/TDD device for a connecting cable that is compatible with the Nokia phone. TTY/TDD communications depend on network availability. Check with your service provider for availability and description of services.

Make a call

1. In the standby mode, enter the number, and press the call key.
2. When the receiving party answers, begin typing your conversation on the TTY/TDD.
3. Press the end key to end the call.

Receive a call

1. Make sure the TTY/TDD device is connected to your phone.
2. Press the call key to answer the call, and type your responses on the TTY/TDD.
3. Press the end key to end the call.

Charger

Select the option of your choice, enter the submenu, and modify its settings.

Default profile—Choose the profile you wish to be automatically activated when your phone is connected to the charger.

Lights—Choose to keep the phone lights always on, or to shut off automatically after several seconds. Select *On* or *Automatic*.

■ Security settings

Activate or deactivate phone lock

The phone lock feature protects your phone from unauthorized outgoing calls or unauthorized access to information stored in the phone. When phone lock is activated, *Phone locked* is displayed each time you turn your phone on.

Settings

When the device is locked, calls still may be possible to the official emergency number programed into your device.

Call not allowed is displayed if you attempt to place a call while phone is locked. To answer a call with phone lock on, select *Answer* or press the call key.

1. In the standby mode, select *Menu > Settings > Security settings*.
2. Enter the lock code, and select *OK*. See "Lock code," p. 50.
3. Select *Phone lock > On or Off*.

On power-up—Requires a lock code to turn the phone on.

If you selected *On*, you must enter your lock code and the lock code must be accepted before the phone will function normally.

Allow numbers when phone locked

When phone lock is on, the only outgoing calls that can be made are to the following numbers:

- The emergency number programed into your phone (for example, 911).
 - The number stored in the *Allowed number when lock active* location.
1. In the standby mode, select *Menu > Settings > Security settings*.
 2. Enter the lock code, and select *OK*. See "Lock code," p. 50.
 3. Select *Access codes > Allowed number when lock active*.
 4. Enter the phone number, or select *Search*, and recall the number from the phone book; select *OK*.

Call the allowed phone number

1. In the standby mode, scroll up or down.
2. Press the call key to place the call.

Lock code

When you change your lock code, make sure you store it in a safe place, away from your phone. Avoid entering access codes similar to emergency numbers such as 911 to prevent accidental dialing of the emergency number.

The preset lock code is 1234. If you enter an incorrect lock code five times in a row, your phone will prompt you for the security code. If you enter the wrong lock code five times in succession, you will not be able to enter a code for 5 minutes, even if you power off the phone between incorrect entries.

1. In the standby mode, select *Menu > Settings > Security settings*.
2. Enter the current (or default) lock code, and select *OK*.

3. Select *Change lock code*.
4. Enter the new lock code (must be 4 characters in length), and select *OK*.
5. Reenter the new lock code for verification, and select *OK*.

Restrict calls

Call restriction is a network service. See "Network Services," p. 6.

If your wireless service provider supports this feature, you can restrict the calls your phone can make and receive. When calls are restricted, calls still may be possible to the official emergency number programmed into your phone. Contact your service provider for the restriction password.

1. In the standby mode, select *Menu > Settings > Security settings*.
2. Enter the security code, and select *OK*. See "Lock code," p. 50.
3. Select *Call restrictions*, and the type of calls you wish to restrict:
 - Restrict outgoing calls*—Calls cannot be made.
 - Restrict incoming calls*—Calls cannot be received.
4. Select an option (*Select, Add restriction, Edit, or Delete*).

Voice privacy

Voice privacy is a network service. See "Network Services," p. 6. If your wireless service provider supports this feature, the voice privacy feature protects the privacy of your current phone conversation from other callers placing phone calls on your same network.

In the standby mode, select *Menu > Settings > Security settings > Voice privacy > On or Off*.

■ Network services

The following features are network services. See "Network Services," p. 6.

Call forwarding

Call forwarding tells your network to redirect incoming calls to another number. Call forwarding is a network service and may not work the same in all networks, so contact your wireless provider for availability.

Activate

1. In the standby mode, select *Menu > Settings > Network services > Call forwarding*, and one of the following options:
 - Forward all calls*—Forward all calls to the number you specify.

Settings

Forward if busy—Forward incoming calls when you are in a call.

Forward if not answered—Forward incoming calls to another number if you are unable to answer. You can set a delay before forwarding takes place.

Forward if out of reach—Forward incoming calls when your phone is off.

Cancel all forwards—Cancel any call forwarding options you have set.

2. Select *Activate*.
3. Select the destination to which your calls will be forwarded.
4. Enter the number to which your calls, data, or other information will be forwarded, and select *OK*.

Cancel

Cancel all forwards may affect your ability to receive voice mail messages.

Contact your wireless provider for specific details.

In the standby mode, select *Menu > Settings > Network services > Call forwarding > Cancel all forwards*.

Store a feature code

1. In the standby mode, select *Menu > Settings > Network services > Network feature setting*.
2. Enter the feature code from your service provider (for example, *633), and select *OK*.
3. Select the type of forwarding that matches the feature code you entered (for example, *Call forwarding*).

The activated feature code is now stored in your phone, and you are returned to the *Feature code* field. Continue entering other feature codes (for example, *633), or press the end key to return to the standby mode. Once you enter a network feature code successfully, the feature becomes visible in the *Network services* menu.

Select your own phone number

If your wireless service provider supports this feature, you can select the number to be used if you have more than one number. In the standby mode, select *Menu > Settings > Network services > Own number selection*.

■ Network

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.

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 cost-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.

Roaming options

You can set your phone to roam or search for another network when you are not in your home area.

1. In the standby mode, select *Menu > Settings > Network > Roaming options* and one of the following options:

Home only—You can make and receive calls in your home area only.

Automatic—The phone automatically searches for service in another digital network. If one is not found, the phone uses analog service. The roaming rate applies when not in the home service area.

2. Select *OK*, if necessary, to confirm the activation.

Mode

You can choose whether your phone uses digital or analog service.

In the standby mode, select *Menu > Settings > Network > Mode* and one of the following service options:

Digital pref.—The phone works in digital mode, but will also work in analog mode when digital mode is unavailable.

Analog only—The phone only works in analog mode.

■ Restore factory settings

You can reset some of the menu settings to their original values. Data that you have entered or downloaded is not deleted, for example, entries in your contacts list are not affected.

1. In the standby mode, select *Menu > Settings > Restore factory settings*.
2. Enter the lock code, and select *OK*. See "Lock code," p. 50.

9. Organizer




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

■ Alarm clock

Set an alarm


The alarm clock is based on the phone clock. It sounds an alert any time you specify and even works if the phone is turned off.

1. In the standby mode, select *Menu > Organizer > Alarm clock > Alarm time*.
2. Enter the time for the alarm (in hh:mm format, and select *OK*).
3. Select *am* or *pm* (if 12-hour format is selected).

Alarm on appears briefly in the display and  appears on the standby mode.

Change the time

1. In the standby mode, select *Menu > Organizer > Alarm clock > Alarm time > On*.
2. Enter the time for the alarm (in hh:mm format, and select *OK*).
3. Select *am* or *pm* (if 12-hour format is selected).

Alarm on appears briefly in the display and  appears on the standby mode.

Set the alarm tone

You can set which tone is played when the alarm sounds.

In the standby mode, select *Menu > Organizer > Alarm clock > Alarm tone > Standard, Ringing tone, or Open Gallery* to choose the tone of your choice.

Alarm conditions

When the alarm sounds, your phone beeps, vibrates (if vibrating alert is on for the currently active profile), and the display lights up. If you do not press a key, the alarm stops (snoozes) for 10 minutes, then sounds again.

With the phone on, select *Stop* (to shut the alarm off), or *Snooze*. The alarm stops for 10 minutes and *Snooze on* appears in the display.

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

Turn an alarm off

In the standby mode, select *Menu > Organizer > Alarm clock > Alarm time > Off*.

■ Calendar

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

Monthly view provides an overview of the selected month and weeks. It also allows you to jump to a specific date. Any days or dates that appear in bold font contain calendar notes such as a meeting or reminder.

Open

In the standby mode, select *Menu > Organizer > Calendar*.

You can move the cursor in some calendar views by using the four-way scroll key.

Go to a date

1. In the standby mode, select *Menu > Organizer > Calendar > Options > Go to date*.
2. Enter the date (for example, 07/15/2004), and select *OK*.

Note a specific date

You can choose from five types of notes: *Meeting*, *Call*, *Birthday*, *Memo*, and *Reminder*. Your phone asks for further information depending on which note you choose. You also have the option to set an alarm for any note that you select.

1. Go to the date for which you want to set a reminder. See "Go to a date," p. 55.
2. From the monthly view (with the go to date highlighted), select *Options > Make a note* and one of the following note types:

Meeting—You are prompted to enter a subject, location, and a start/end time. You are then given the option to set an alarm.

Call—You are prompted to enter a phone number, a name, and the time. You are then given the option to set an alarm.

Birthday—You are prompted to enter the person's name, and year of birth. You are then given the option to set an alarm.

Memo—You are prompted to enter a subject and an end date and given the option to set an alarm.

Reminder—You are prompted to enter the subject you wish to be reminded about and given the option to set an alarm.

3. Enter your note, and select *Options > Save*.

View notes (day view)

After you have created some calendar notes, you can view them as follows:

1. In the standby mode, select *Menu > Organizer > Calendar*.
2. Scroll to the date containing the note. (Any days containing notes will be in bold font.)
3. Select *Options > View day*.
4. To view a highlighted note, select *Options > View*.

Options while viewing a list of notes

Select *Options* while viewing the header or body of a note to display the following options:

View—View the full note.

Make a note—Create a new note for the selected date.

Delete—Delete the note.

Edit—Edit the note.

Move—Move the note to another date on your calendar.

Repeat—Enable the note to recur on a regular basis (daily, weekly, bi-weekly, monthly, and yearly). Repeat is not available for *Birthdays*.

Go to date—Jump to another date on your calendar.

Send note—Send the note to another device using text message, or in calendar format.

Copy—Copy the note. You can then paste the note to another date.

Settings—Set the date and time, date and time format, the day each week starts and whether you want your notes to auto-delete after a specified time.

Send a note

1. In the standby mode, select *Menu > Organizer > Calendar*.
2. Scroll to the date containing the note you wish to send. (Any days containing notes will be in bold font.)
3. Select *Options > View day*.
4. Scroll to the note you wish to send, and select *Options > Send note > Via calendar* or *Via text msg*.
5. If you selected *Via calendar*, enter the number for the recipient, or select *Search* to retrieve a number from the contacts list; select *OK*. The note is sent.
6. If you selected *Via text message*, the note appears as a text message in the display.

7. Select *Add number*.
8. Enter the number for the recipient, or select *Search* to retrieve a number from the contacts list; select *OK*.
9. Select *Options > Send*.

Receive notes

When you receive a calendar note in calendar-to-calendar (vCal) format, your phone displays *Calendar note received*. When you receive a calendar note as a text message, a message notification appears on the standby mode. You can then save the note in your calendar and set an alarm for any date and time.

View notes

1. When your phone displays *Calendar note received*, select *Show*.
2. Scroll to view the entire message.

Save notes

After viewing the calendar note, select *Options > Save*.

Discard notes

After viewing the calendar note, select *Options > Discard*.

■ Voice recorder

This feature allows you to record pieces of speech or sound with your phone and listen to them later. The total available time is 30 seconds if no memos have been stored. The maximum length of a recording depends on how much memory remains available.

The recorder cannot be used when a data call connection is active.

Record speech or sound

1. In the standby mode, select *Menu > Organizer > Voice recorder > Record*.
2. After the recorder start tone is heard, begin recording speech or sound.
3. When you are finished recording, select *Stop*.
4. Enter the title you wish to assign to the recording, and select *OK*.

Options

After you have saved the recording to the *Recordings list*, highlight the recording, and select one of the following options:

Playback—Listen to the recording using the earpiece

Delete—Erase the recording

Edit title—Rename the recording

Add alarm—Add an alarm to the recording

■ Calculator

The calculator in your phone adds, subtracts, multiplies, divides, calculates the square and the square root, changes the sign of the number entered, and converts currency values.



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

1. In the standby mode, 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.
4. Select *Options* (equals is highlighted).

To perform a square or square root calculation, select *Options > Square* or *Square root*. To change the sign, select *Options > Change sign*, or scroll up or down.

Currency converter

You can convert foreign currency to domestic, or vice versa, directly from the standby mode or from the *Calculator* menu.

1. In the standby mode, enter a currency amount to convert; or select *Menu > Organizer > Calculator*, and enter a currency amount to convert.
2. Select *Options > To home* or *To foreign*.

To home—converts foreign currency to domestic currency.

To foreign—converts domestic currency to foreign currency.

If you have not done so already, you are prompted to enter the exchange rate.

3. Enter the exchange rate (press # to insert a decimal), and select *OK*.

You can also edit the exchange rate at any time. When you change base currency, you must enter the new rates because all previously set exchange rates are set to zero.

1. In the standby mode, select *Menu > Organizer > Calculator > Options > Exchange rate > Foreign unit expressed in domestic units* or *Domestic unit expressed in foreign units*.

Foreign unit expressed in domestic units—the number of home units it takes to make one unit of foreign currency.

Domestic unit expressed in foreign units—the number of foreign units it takes to make one unit of your home currency.

2. Enter the exchange rate, and select *OK*.

■ Countdown timer

You can enter a specified time (up to 99 hours and 59 minutes). When the time runs out, your phone sounds an alarm. The countdown timer only works when the phone is on. Once you turn off your phone, the timer is no longer active.

Set the countdown timer

1. In the standby mode, select *Menu > Organizer > Countdown timer*.
2. Enter the time (in hh:mm format), and select *OK*.
3. Enter a note for the timer, and select *OK*.



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

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

- Press any key during the alarm to stop the timer.
- After 30 seconds the timer alert expires automatically.

Change the time

After you have set the timer, you can change the time.

1. In the standby mode, select *Menu > Organizer > Countdown timer > Change time*.
2. Enter the new time, and select *OK*.
3. Leave the note as it was, or enter a new note, and select *OK*.

Stop the timer before the alarm sounds

After you have set the timer, you can stop the timer.

In the standby mode, select *Menu > Organizer > Countdown timer > Stop timer*.

■ 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.s 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.

Measure time

1. In the standby mode, select *Menu > Organizer > Stopwatch > Split timing*.
2. Select *Start* to begin split or lap timing. The running time is displayed on the screen.
3. Select *Stop* to end the timing. The total time is displayed on the screen.

Measure split time

You can use the split time function for such things as a long distance race when you need to pace yourself.

1. In the standby mode, select *Menu > Organizer > Stopwatch > Split timing > Start*.
2. Select *Split* to note the lapsed time.

The timer continues to run. The split time appears below the running time.

If you split the time more than once, the new measured time appears at the beginning of the list. You can scroll to see previous measured times.

3. Select *Stop* to end the split timing.

Save the split time

1. While the clock is running, select *Stop > Options > Save*.
2. Enter a name for the measurement, and select *OK*.

Measure lap time

You can use the lap time function when you want to track how long it takes to complete each cycle or lap.

1. In the standby mode, select *Menu > Organizer > Stopwatch > Lap timing > Start*.
2. Select *Lap* to note the lap time.

The clock stops, then starts immediately from zero. The lap time appears below the running time. If you take more than one lap time, the new measured time appears at the beginning of the list. Scroll to see previous measured times.


When you select *Stop*, the total time appears at the top.

Save the lap time

1. While the clock is running, select *Stop > Options > Save*.
2. Enter a name for the measurement, and select *OK*.

If you do not enter a name, the total time is used as the default title for the lap time.

Operation note

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

1. To return to the stopwatch screens, in the standby mode, select *Menu > Organizer > Stopwatch > Continue*.
2. To stop the clock, select *Stop*.

Options

You can choose the following options when using the stopwatch:

Continue—Shows up when the stopwatch is working in the background.

Show last time—Allows you to view the last measured time.

View times—Allows you to browse the saved times.

Delete times—Allows you to delete any saved times. You can delete the saved times one by one or all at once.

10. Minibrowser



Minibrowser is a network service. See "Network Services," p. 6.

Your phone has a built-in browser you can use to connect to selected services on the mobile internet. If your wireless service provider supports this feature, then you can view the content provided. The web browser on your phone can display WAP-based content.

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

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

■ Mobile Internet access

Because mobile internet content is designed to be viewed from your phone, your wireless provider is now your mobile Internet service provider as well.

It is likely that your wireless provider has created a home page and set up your browser to go to this page when you log on to the mobile Internet. Once at your service provider's home page, you may find links to a number of other sites.

It should not be necessary to manually configure the browser on your phone. Normally this is done by your wireless provider once you have subscribed to the feature. Contact your wireless provider if you have problems using the browser.

■ Sign on to the mobile Internet

In the standby mode, select *Menu > Minibrowser > Connect*.

After a brief pause, your phone attempts to connect to your wireless provider's home page. If you receive an error message, your phone may not be set up for browsing. Contact your wireless provider to make sure that your phone is configured properly.

■ Navigate the mobile Internet

Since your phone screen is much smaller than a computer screen, mobile Internet content is displayed differently than you may be accustomed to seeing. This section contains guidelines for using phone keys to navigate a WAP site.

Phone keys

- To display the minibrowser main menu, press the power key.
- To browse the WAP site, scroll up or down.
- To choose a highlighted item, *OK*.
- To navigate back to the previous page, briefly press the end key.
- To enter letters and numbers, press a key from 0–9.
- To enter special characters, press ***.
- To change input modes, press *#*.
- To end the session, press and hold the end key.

Receive a call while online

Depending on your wireless service provider, you may still be able to receive a voice call while using the WAP browser.

- To answer the incoming call, press the call key.
- To decline the incoming call, press the end key.

After you end your voice call, the mobile Internet connection automatically resumes. If your wireless service provider does not support incoming calls while browsing, the incoming calls are automatically forwarded to voice mail.

Make an emergency call while online

You can end your data connection and make an emergency call.

1. To close your mobile Internet connection, press and hold the end key, or press the end key as many times as needed to clear the display and ready the phone for calls.
2. Enter the emergency number for your present location (for example, 911).
Emergency numbers vary by location.
3. Press the call key.

11. Games



Challenge yourself or a friend to one of the fun games in your phone. Some menus listed are network services. Contact your wireless provider for more information.

■ Play a game

1. In the standby mode, select *Menu > Games > Select game*.
2. Scroll to a game, and select *Options > Open*, or press the call key.
3. Select one of the following options (if supported by the particular game):
 - New game*—Launches a new game.
 - High scores*—View the high scores for this game (if previously played).
 - Instructions*—View instructions for playing the game. Scroll down to read more.

■ Game settings

1. In the standby mode, select *Menu > Games*. and one of the following game submenus:
 - Select game*—Select a game or enter a game option list.
See "Game options," p. 64.
 - Memory*—Check the available memory for games and game-related applications.
 - Settings*—Turn *Game sounds*, *Game lights*, and *Shakes* on or off.
2. Enter the submenu, and select other settings.

■ Game options

While viewing the games list, select *Options > Open*, *Delete*, or *Details* to activate the option or enter a submenu.

12. Keyguard



With keyguard, you can lock the keypad to prevent keys from being pressed accidentally, and prevent accidental calls. If the keypad is locked, it unlocks when you receive a call. After the call, the lock automatically reactivates.

When the keyguard is on, calls still may be possible to the official emergency number programed into your phone. See "Automatic keyguard," p. 43.

■ Lock the keypad

In the standby mode, select *Menu*; then press * within two seconds.

■ Unlock the keypad

In the standby mode, select *Unlock*; then press * within two seconds.

13. PC Connectivity

With the PC Suite you can, for example, create and send text messages, and synchronize contacts and calendar between your phone and a compatible PC. Some of the features available in PC Suite are carrier dependent.

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

■ PC Suite

Further detailed information is given in the separate user guide of your Nokia device. Do not use the PC Suite Quick Guide in place of the complete user guide, which provides important safety and maintenance information.

Remember to make backup copies of all important data.

To disconnect the cable from the device, hold the connector and remove the cable.

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

The PC Suite contains the following features:

- Nokia Image Converter to make images usable for multimedia messages or wallpapers and to transfer them to your phone.
- Nokia Sound Converter to edit polyphonic ringing tones to be compatible with your phone and to transfer them to your phone.
- Nokia Content Copier to copy information or back up information from your phone to the PC or to another compatible Nokia phone.
- Nokia Phone Editor to send text messages and edit the contacts directory and message settings of your phone.
- Nokia PC Sync to synchronize the contacts directory and calendar between your phone and a compatible PC.
- Nokia Connection Manager to select the connection type between the PC and the phone.
- Nokia Phone Browser to copy images and tones from your phone to your PC and vice versa.



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

14. Enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from ACP-7U or ACP-12U.



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.

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 1070 mAh Li-Ion Battery (BL-6C)
- Standard Travel Charger (ACP-7U)
- Travel Charger (ACP-12U)
- Mobile Charger (LCH-12)
- Compact Travel Charger (AC-1U)

Audio

- Stereo Headset (HS-3)
- Headset (HS-5)
- Activity Headset (HS-8)
- Boom Headset (HDB-4)
- Loopset (LPS-4)
- Retractable Headset (HS-10)

Data

- Data Cable (DKU-5)
- Data Cable (CA-42)
- Desk Stand with Sync (DCV-15)

Car

- Advanced Car Kit (CK-7W)
- Mobile Holder (MBC-17)
- Mobile Lighter Charger (LCH-12)

15. Battery information

■ Charging and discharging

Your device is powered by a rechargeable battery. The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times but it will eventually wear out. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only Nokia approved batteries, and recharge your battery only with Nokia approved chargers designated for this device.

This device has an internal, nonremovable, rechargeable battery. Do not attempt to remove the battery from the device as you may damage the device. Take it to the nearest authorized service facility for replacement of the battery.

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

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

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

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

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

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

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

■ Nokia battery authentication guidelines

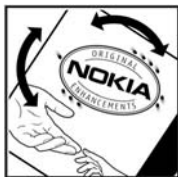
Always use original Nokia batteries for your safety. To check that you are getting an original Nokia battery, purchase it from an authorized Nokia dealer, look for the Nokia Original Enhancements logo on the packaging and inspect the hologram label using the following steps:

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

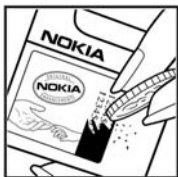
Authenticate hologram



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



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



3. Scratch the side of the label to reveal a 20-digit code, for example 12345678919876543210. Turn the battery so that the numbers are facing upwards. The 20-digit code reads starting from the number at the top row followed by the bottom row.
4. Confirm that the 20-digit code is valid by following the instructions at www.nokia.com/batterycheck.

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 suggestions below will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not attempt to remove the battery from the device. Nokia recommends to take it to the nearest authorized service facility for replacement of the battery.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use a soft, clean, dry cloth to clean any lenses (such as camera, proximity sensor, and light sensor lenses).
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.
- Always create a backup of data you want to keep (such as contacts and calendar notes) before sending your device to a service facility.

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

Additional safety information

■ Operating environment

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

Remember to follow any special regulations in force in any area and always switch off your device when its use is prohibited or when it may cause interference or danger. Use the device only in its normal operating positions. This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned at least 2.2 cm (7/8 in) 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.

In order to transmit data files or messages, this device requires a good 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, and persons with a hearing aid should not hold the device to the ear with the hearing aid. 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 cm (6 in) 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:

- always keep the device more than 15.3 cm (6 in) from their pacemaker;
- not carry the device in a breast pocket; and

- 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, 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, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

■ Emergency calls



Important: Wireless phones, including this phone, 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 phone for essential communications like medical emergencies.

To make an emergency call:

1. If the phone 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 phone for calls.
3. Key in 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. 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 MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) energy recommended by international guidelines (ICNIRP). These limits establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards and guidelines include a substantial safety margin designed to assure the safety of the public, regardless of age and health and to account for any variations in measurements.

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 international guidelines is 2.0 watts/kilogram (W/kg) averaged over ten 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 well 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 when tested according to international testing procedures for use at the ear is: 1.28 W/kg

USA and Canada: The SAR limit of USA (FCC) and Canada (IC) is 1.6 W/kg averaged over one gram of tissue. This device model has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on the body is: 1.00 W/kg

Information about this device can be found on the FCC's website at <http://www.fcc.gov/oet/fccid> by searching the equipment authorization system using FCC ID: **QMNRH-55**.

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

■ Technical information

Dimensions—Width 1.96 in (49.9 mm); length 4.26 in (108.3 mm); depth 0.91 in (23.2 mm)

Weight—3.87 oz (109.6 g) with BL-6C Li-Ion Battery

Volume—5.95 cu in (97.5 cu cm)

Frequency range (Tx)—AMPS 824.04–848.97; PCS 1851.25–1908.75 MHz; Cellular 824.70–848.37 MHz

Frequency range (Rx)—AMPS 869.04–893.97; PCS 1931.25–1988.75 MHz; Cellular 869.70–893.37 MHz

GPS Frequency—1575.42 MHz

■ Battery information

This section provides information about battery charging times with the Standard Travel Charger (ACP-7), talk-times, and standby times. Be aware that the information in this section is subject to change. For more information, contact your service provider.

Charging times

The following charging times are approximate with the BL-6C 1070 mAh Li-Ion battery:

Standard Travel Charger (ACP-7): up to 3 hours, 45 minutes

Talk and standby times

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

Talk time: up to 4.85 hours

Standby time: up to 288 hours

■ Patent information

Manufactured or sold under one or more of the following US patents:

6510148 6567389 6570860 6775548 6078570 6167273 6591116
5956332 6198928 5491718 5596571 5889770 6148209 6072787
5802465 5596571 6128322 5991627 5699482 4969192 5754976
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6775548

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