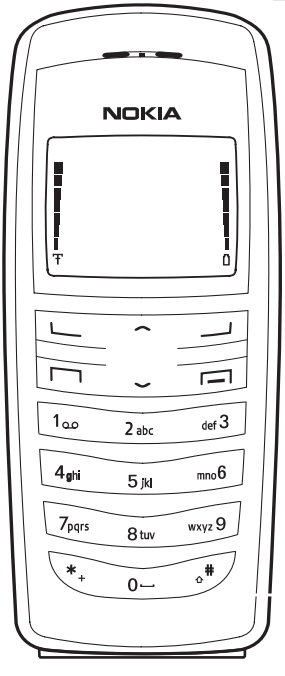
Nokia 2115 and Nokia 2115i User Guide



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LEGAL INFORMATION

The wireless device described in this guide is approved for use in CDMA 800 and 1900 networks.

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

The information contained in this user guide was written for the Nokia 2115 and the Nokia 2115i products. Nokia operates a policy of ongoing development. Nokia reserves the right to make changes to any of the products described in this document without prior notice.

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EXPORT CONTROLS

This device may contain commodities, technology, or software subject to export laws and regulations from the U.S. 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.

FCC DRAFT

Contents

For your safety 7
Welcome 9
1. Device at a glance 12
2. Set up your phone 16
3. Text entry 24
4. Contacts 27
5. Messages 36
6. Call log 48
7. Settings 52
8. Organizer 68
9. Games 76
10.Minibrowser 77
11.PC Connectivity 79
12.Enhancements 80
13.Battery information 82
Care and maintenance 85
Additional safety information 86
Nokia one-year limited warranty 91
Index 107

FCC DRAFT

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For your safety

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

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

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

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

SWITCH OFF IN HOSPITALS
Follow any restrictions. Switch the device off near medical equipment.

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

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

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

USE SENSIBLY
Use only in the 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.

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

BACKUP COPIES
Remember to make backup copies or keep a written record of all important information stored in your device.

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

EMERGENCY CALLS
Ensure the device is switched on and in service. Press **End** as many times as needed to clear the display and return to the main screen. Key in the emergency number, then press **Call**. Give your location. Do not end the call until given permission to do so.

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Welcome

Congratulations on your purchase of the Nokia 2115 or Nokia 2115i mobile device. Your device provides many functions which are practical for daily use, such as a hands-free loudspeaker, alarm clock, calculator, calendar, and more. To personalize your device, you can set your favorite ring tones and select an Xpress-on™ color cover.

About your device

The wireless device described in this guide is approved for use on the CDMA 800 or 1900 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 device 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. See "Network services features," page 65.

Your service provider may have requested that certain features be disabled or not activated in your device. If so, they will not appear in your device menu. Contact your service provider for more information.

Shared memory

The following features in this device may share memory: contacts, text messages, ring tones, calendar, and games. Use of one or more of these features may reduce

FCC DRAFT

the memory available for the remaining features sharing memory. Your device may display a message that the memory is full when you try to use a shared memory feature. In this case, delete some of the information or entries stored in the shared memory features before continuing. Some of the features, such as messages and ring tones may have a certain amount of memory specially allotted to them in addition to the memory shared with other features.

Register your device

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

Get help

Find your device label

If you need help, Nokia Customer Care is available for assistance. Before calling, we recommend that you write down the electronic serial number (ESN) and have it available.

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

Contact Nokia

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

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

Nokia Customer Care Center, USA
Nokia Inc.
7725 Woodland Center Boulevard, Suite #150
Tampa, Florida 33614
Tel: 1-888-NOKIA-2U (1-888-665-4228)
Fax: 1-813-249-9619
TTY/TDD users: 1-800-24-NOKIA (1-800-246-6542)

FCC DRAFT

Customer Care Center, Mexico
Nokia Mexico, S.A. de C.V.
Paseo de los Tamarindos 400-A Piso 16
Col. Bosques de las Lomas
C.P. 05120
Mexico D.F., Mexico
Tel: (55) 261-7200
Fax: (55)261-7299

Customer Care Center, Argentina
Azopardo 1071
C1107ADQ Buenos Aires
Argentina
Tel: (11) 4307-1427
Fax: (11) 4362-8795

Customer Care Center, Canada
Nokia Products Ltd.
601 Westney Road South
Ajax, Ontario L1S 4N7
Tel: 1-888-22-NOKIA (1-888-226-6542)
Fax: 1-905-619-4360

Updates

From time to time, Nokia updates this guide to reflect changes. The latest version may be available at **www.nokiausa.com**. An interactive tutorial for this product may be available at the web site **www.nokiahowto.com**.

Accessibility solutions

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

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1. Device at a glance

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Power key (1)
Earpiece (2)
Right selection key (3)
End key (4)
Keypad (5)
Connection port (6)
Microphone (7)
Charger port (8)
Scroll up and down key (9)
Call key (10)
Left selection key (11)
Screen (12)

The start screen

The start screen is home base and indicates your device is in idle mode.

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

Battery level (2)—A higher bar indicates more power 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

At the start screen, scroll up to activate the flashlight, or scroll down to go to the contacts list.

Indicators and icons

Icon	Indicates...
	You have one or more text or picture messages. See "Read a message," page 39.
	You have one or more voice messages. See "Voice messages," page 43.
	You are making a call with the device. See "Make a call," page 20.
	Your device keypad is locked. See "Keyguard," page 22.
	Your device is set to the Silent profile. See "Profiles," page 52.
	The alarm clock is set to On. See "Alarm clock," page 68.

FCC DRAFT

Icon	Indicates...
	The countdown timer is running. See "Countdown timer," page 73.
	The stopwatch timing is running in the background. See "Stopwatch," page 74.
	Integrated hands free is active.
	The timed profile is selected. See "Profiles," page 52.
or	An enhancement is connected to the device.
or	Voice privacy encryption is active (or is not active) in the network.
or	Location info sharing is set to Emergency or On. See "Location info sharing," page 53.
	Device is roaming outside of your home network.
1x	Device is in an 1XRTT network. See "Network Services," page 9.

Get the most out of this guide

The following sections illustrate the various components of your device. 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 menu options. To select an option, press the selection key below the menu item on the device screen.
- Scroll keys are used to move up and down in the menus.
- Press **Call** to place a call or to answer an incoming call.
- Press **End** to end a call or press and hold to return to idle mode at the start screen.

FCC DRAFT

Device menus

Device 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 device features. You can access these menus and submenus by using the scroll method.

Scroll method

1. At the start screen, select *Menu*, and scroll through the main menu using the up and down scroll key.
2. When you arrive at a menu, press *Select* (the **Left Selection** key) to enter a submenu. Select *Connect* to enter submenus for minibrowser.
   - Select *Back* from the submenu level to return to the previous menu.
   - Select *Exit* from the main menu level or press **End** to return to the start screen from any menu or submenu.

Shortcuts

You can go directly to almost any menu or submenu, as well as activate most features by using a shortcut.

At the start screen, select *Menu*; then within 3 seconds press the key or keys associated with the menu function you would like to view or activate.

For example, to select the *Meeting* profile, select *Menu* 4-1-3-1 from the start screen (*Menu* > 4 *Settings*>1 *Profiles* > 3 *Meeting* > 1 *Activate*). After a brief pause, the *Meeting* profile is activated.

In-phone help

Many features have brief descriptions (help text) that can be viewed on the display. To view these descriptions, scroll to a feature, and wait for about 10 seconds. If needed, select *More* to view all of the description or *Back* to exit.

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

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Help text activation*.
2. Select *On* to display help text or *Off* to turn this feature off.

FOC DRAFT

2. Set up your phone

The antenna

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

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

The battery

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

Before removing the cover, always switch off the power and disconnect the charger and any other device. Avoid touching electronic components while changing the covers. Always store and use the device with the covers attached.

Remove the back cover

1. With the back of the device facing you, push down on the button on the back of the device.
2. Slide the back cover toward the bottom of the device 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.

FCC DRAFT

Replace the battery

Always use original Nokia batteries. See "Battery information," page 82.

1. Position the battery so the gold-colored contacts match up with those on the device.

   The battery label must face away from the device.

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 device until you hear a click and see the back cover release button.

Charge the battery

1. Plug the charger transformer into a standard ac outlet.

2. Insert the charger output plug into the round jack at the bottom end of the device.

   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 any calls can be made.

FCC DRAFT

Turn on or off

To turn your device on or off, press and hold the power key on top of the device for at least 3 seconds.

Connect the headset

A compatible headset may be included with your device or purchased separately as an enhancement. (See "Enhancements," page 80.)

1. Plug the headset connector into the Pop-Port™ connector at the bottom end of your device.
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 **Call** to place a call.
   - Press **End** to end a call.

Change Xpress-on™ covers

Before removing the cover, always switch off the power and disconnect the charger and any other device. Avoid touching electronic components while changing the covers. Always store and use the device with the covers attached.

Remove the back cover and the battery

See "Remove the back cover," page 16 and "Remove the battery," page 16 for instructions on removing the back cover and the battery.

FCC DRAFT

Remove the front cover

Gently pull the bottom of the front cover away from the rest of the device, and remove the front cover.

Install the key mat and front cover

1. Remove the key mat from the old front cover.

2. Place the key mat into the new front cover.

3. Press the front cover and key mat against the device, and snap the front cover into place.

FCC DRAFT

Replace the battery and back cover

See "Replace the battery," page 17 and "Replace the back cover," page 17.

Insert a photo in the back cover

If your device has a picture frame, you can insert one of your favorite photos in the back cover to personalize it. The size of the photo should not be larger than 45 mm x 25 mm. Trim the sides and corners at the bottom of the photo. Please note, if the photo is smaller than the window size, it may not stay in its position. The photo should be inserted with its image side facing the transparent window of the cover.

Make a call

Use the keypad

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

Use the contacts list

To enter a number into the contacts list, at the start screen, select *Contacts* > *Add new*, and enter the name and phone number. See "Save an entry," page 28.

1. At the start screen, scroll down to display the contents of your contacts list.
2. Select a contact from the list.
3. Press **Call** to make the call, or select *Details* to view details of the entry.

Use the last dialed number

1. At the start screen, press **Call** to display the last 20 numbers dialed.
2. Scroll to the number (or name) you wish to redial, and press **Call**.

FCC DRAFT

Make a conference call

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

Answer calls

Answer or silence/decline

Silence/*Decline* is a carrier-dependent feature.

1. Press **Call**, 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 voicemail.
3. To dismiss and forward the call to voicemail (a carrier-dependent feature), select *Dismiss* after you have muted the ringing tone, or press **End** at any time.

Answer a call with locked keypad

To answer a call with the keypad locked, press **Call**. During the call, all features function as normal. When you end or decline the call, the keypad automatically relocks. See "Keyguard," page 22.

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

FCC DRAFT

Adjust the volume during a call

To increase or decrease the volume during a call, scroll up or down during the call. When adjusting the volume, a bar chart indicates the volume level.

Loudspeaker

You can use the loudspeaker on your device during a call.

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

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

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

Options during a call

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

Select *Options* during a call to display a list of options available during a call, then select an option.

Keyguard

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

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

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

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

FCC DRAFT

Flashlight

Your device has a built-in flashlight that you can activate when the device is in the standby mode or when there is a call in progress. To activate the flashlight, scroll up. The light stays on until you release the scroll key.

Scroll up twice in quick succession for the flashlight to stay on continually. Press scroll up again to turn the flashlight off.

You can also use the flashlight to alert you to an incoming call. For more information, see "Personalize a profile," page 52.

FCC DRAFT

3. Text entry

You can use two methods for entering text and numbers:

- Standard mode is the only way to enter text into the contacts list, and to rename caller groups.
- Predictive text is a quick and easy method for writing messages and creating a calendar note.

Standard mode

Text (Abc)

- Press a key once to insert the first letter on the key, twice for the second letter, etc. If you pause briefly, the last letter in the display is accepted and your device awaits the next entry.
- Press **0** to enter a space thereby accepting a completed word.
- Press **1** to enter a period (.).
- Press ***** to display special characters. See more about special characters on the following pages.

Numbers (123)

To switch to 123 mode from Abc mode, press and hold **#** at any message entry screen until the icon in the upper left corner of the display switches from Abc to 123 (or vice versa).

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

Punctuation and special characters

While at any text entry screen, press ***** to display special characters (press and hold ***** if predictive text is on). To navigate through the list of special characters, use the scroll key. Once a character is highlighted, select *Insert* to insert the character into your message.

FCC DRAFT

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

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

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

Text entry

The following illustration 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.
- Press **#** to switch predictive text on or off and to use predictive text in various modes. As you press **#**, the following icons (not the descriptions) appear in the upper left of the display screen:

  ABC Uppercase text: standard mode is on.

  abc Lowercase text: standard mode is on.

FCC DRAFT

Abc Sentence case text: standard mode is on.

Abc Sentence case text: predictive text is on.

abc Lowercase text: predictive text is on.

FCC DRAFT

4. 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.

Contacts options

You can access contacts options in one of two ways:

- At the start screen, select *Contacts*.
- At the start screen, select *Menu* > *Contacts*.

In this chapter, to access contacts options, select *Contacts*.

Search

1. At the start screen, select *Contacts* > *Search*.
2. Type in the first character of the contact name and highlight the contact you wish to view.
3. Select *Details* > *Options* and the action you want to apply to the contact.

Add new contacts

Save a name and number

1. At the start screen, enter the phone number you wish to save.
2. Select *Options* > *Save*.
3. Enter the name, and select *OK*.

Save (only) a number

1. At the start screen, enter the phone number you wish to save.
2. Select and hold *Options*.

FCC DRAFT

Save an entry

1. At the start screen, select *Contacts* > *Add new*.
2. Enter the name, and select *OK*.
3. Enter the phone number, and select *OK* > *Done*.

Save numbers, text items, and details

You can save different types of phone numbers and short text items per name to the contacts list. The first number you save for any entry is automatically set as the default, but the default number can always be changed. You can save details such as addresses and notes as contact information.

1. At the start screen, scroll down to display a list of entries in your contacts list.
2. Scroll to the entry to which you wish to add a phone number, text item, or other details.
3. Select *Details* > *Options* > *Add number* or *Add detail*.
4. Select *General*, *Mobile*, *Home*, *Work*, or *Fax* type when adding a number; or select *E-mail*, *Web address*, *Street addr.*, or *Note* when adding details.
5. Enter the number or text for the type you have selected, and select *OK*.
6. To change the type, select *Change type* in the options list.

To change the default number for the contact entry:

1. At the start screen, scroll down to the entry you wish to change, and select *Details*.
2. Scroll to the number you wish to set as default, and select *Options* > *As primary no.*

Edit contact name

1. Highlight the phone number of the contact and select *Options*.
2. Select *Edit name* and enter your changes; then select *OK*.

Delete contacts list entries

1. At the start screen, select *Contacts* > *Delete*.
2. To delete individual entries, select *One by one*.

FCC DRAFT

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. Enter the lock code, and select *OK*. See "Security settings," page 62.

Add number list entries

Add number allows you to tag each phone number entry with a phone type.

1. At the start screen, select *Contacts* > *Add number*.
2. Highlight a contact from the list and select *Add*.
3. Select the tag as *General*, *Mobile*, *Home*, *Work*, or *Fax* and enter the number.

Settings

Settings allows you to determine how your phone numbers will be viewed and how much memory remains in the contacts list.

At the start screen, select *Contacts* > *Settings* and one of the following:

Scrolling view—Specify how names and numbers are viewed in Contacts list.

Memory status—Determine the amount of space available in Contacts list.

1-touch dialing

You can associate any entry in the contacts list with a key from 2–9. To dial those entries, press and hold the assigned key. 1-touch dialing must be turned on to use this method.

Press the assigned key and **Call** to 1-touch dial at any time.

Assign a key to 1-touch dialing

1. At the start screen, select *Contacts* > *1-touch dialing*.
2. Select any empty slot and *Assign*.
3. Enter the number (including the area code), and select *OK*; or select *Search* to retrieve a number from the contacts list.
4. Enter the contact name for the number, and select *OK*.

   If 1-touch dialing is off, the device displays a prompt asking if you would like to turn 1-touch dialing on.

FCC DRAFT

5. Select *Yes* to activate 1-touch dialing.

Change 1-touch dialing numbers

1. At the start screen, select *Contacts* > *1-touch dialing*.
2. Select the 1-touch dialing entry you wish to change and *Options* > *Change*.
3. Enter the new number and select *OK*; or select *Search* to view the contacts list and select a new number.
4. Enter a name for the entry, and select *OK*.

Delete 1-touch dialing numbers

1. At the start screen, select *Contacts* > *1-touch dialing*.
2. Select the 1-touch dialing location you wish to delete.
3. Select *Options* > *Delete* > *OK* to delete the key assignment.

Edit contacts list entries

1. At the start screen, scroll down to display the contents of your contacts list.
2. Select the entry you would like to edit and *Details*.

Edit phone number

1. Highlight the phone number you would like to edit, and select *Options*.
2. Select one of the following options and select *OK*.

   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 start screen, ready to be called.

   View—View the details of the contact.

   Change type—Change the number type to *General*, *Mobile*, *Home*, *Work*, or *Fax*.

   As primary no.—Change the default number of the contact.

FCC DRAFT

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

1. Highlight the e-mail address entry you would like to send or update, and select *Options*.
2. Select one of the following options and *OK*.

   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*, *Street address:*, or *Note*.

   Add number—Add a number to the entry.

   Add detail—Add an address or note 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.

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Edit other text items

1. Highlight the address entry you would like to edit, and select *Options*.
2. Select the option you wish to perform and *OK*.

Voice tags

Voice tags allow you to dial a contact by speaking. You can also playback, change, or delete voice tags.

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.
- 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.

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.

Assign a voice tag to an entry

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

1. At the start screen, use scroll down to enter the contacts list.
2. Highlight the contact you want to assign a voice tag, and select *Details* > *Options* > *Add voice tag*.
3. Select *Start*; then speak clearly into the microphone.

Do not select *Quit* unless you want to cancel the recording.

The device automatically stops recording, saves, and replays the voice tag. appears next to the phone numbers that have voice tags assigned.

If recording is not successful, your device displays Voice system error. Select *Options* > *Add voice tag*, and repeat Step 3.

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Dial a number

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

When the device finds the voice tag, Found: appears, and the device automatically dials the number. If the device 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:

Play back

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

Modify

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*, then speak clearly into the microphone. The device 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*.

   Delete voice tag? appears.
4. Select *OK* to erase the voice tag.

My number

My number allows you to display your own phone number. Select *Contacts* > *My number*.

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Caller groups

Caller groups allows you to organize your contact information into 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.

Set up a group

1. At the start screen, scroll down to display a list of entries in your contacts list.
2. Select a name you would like to add to a caller group.
3. Select *Details* > *Options* > *Caller groups*.
4. Select the caller group to which you would like to add the name.

Caller group options

1. At the start screen, select *Contacts* > *Caller groups* > *Family*, *VIP*, *Friends*, *Business*, or *Other*.
2. Scroll to highlight a group, and select one of the following caller group options and follow the directions displayed:

   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.

   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 a text message 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. At the start screen, scroll down to display the contents of your contacts list.
2. Highlight an entry from the contacts list that you wish to send, and select *Details* > *Options* > *Send bus. card*.

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3. To send the business card as a message, select *Via text msg.* > *Primary no.* or *All details* (only if contact has more than one phone number).
4. Enter the number for your recipient, or select *Search* to retrieve a number from your contacts list.
5. Select *OK*. The business card is sent.

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5. Messages

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

Important: Exercise caution opening messages. Messages may contain malicious software or otherwise be harmful to your device or PC. Do not open any attachment if you are not sure of the trustworthiness of the sender.

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 programmed 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

At the start screen, select *Menu* > *Messages* > *Text messages* and select from the following:

Create message—Allows you to create and send messages. Create message is activated by the service provider.

Inbox—Allows you to check for received messages.

Sent items—Allows you to check for sent messages.

Archive—Allows you to save messages in an archive.

Templates—Includes a selection of templates for creating messages.

My folders—Allows you to create and name your personal folders.

Distribution lists—Allows you to define a group of up to 10 recipients to which messages can be addressed.

Delete messages—Allows you to delete messages from a selected folder or all folders.

Message settings—Includes options for changing settings for reading, writing and sending messages.

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Write and send

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Create message*.
2. Select *Add number* to add the recipient's phone number, *Add e-mail* to add the e-mail address, or *Add list* to add a distribution list. You can also select *Search* to retrieve a number or e-mail address from your contacts list, and *OK*.
3. Select *Options* and repeat step 2 to add more recipients, then select *OK*.
4. Select *Options* > *Edit message*.
5. Compose a message using the keypad, and select *Options* > *Send*.

Templates

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

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Create message* > *Edit message* > *Options* > *Use template*.
2. Select one of the available templates.
3. Enter the text into your new message, and select *Options* > *Send* > *Add number*, *Add e-mail*, or *Add list*.
4. Enter your recipient's phone number; or select *Search* to retrieve a number from your contacts list and *OK*.
5. Select *Options* > *Send*.

Options when creating a message

When you send 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:

Preview—Previews the inserted message before sending. Select *Back* to return to the list of options.

Send—Send the message to one recipient.

List recipients—Send the message to more than one recipient.

Settings—Set the priority of the message.

Save message—Select *Sent items* to save the message in the sent items folder; select *Templates* to save the message as one of your predefined templates; select *Archive* to save the message in your archive, or to a folder you created.

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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 smiley—Insert the smiley face of your choice into your message.

Insert picture—Insert a picture of your choice into the message.

Change picture—Takes you back to the picture list. Scroll to highlight a new picture, select *View* > *Insert* to replace the previous picture in your message.

Delete picture—Select *OK* to delete the picture from your message, or select *Back* to return to the list of options.

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

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

Insert symbol—Insert a special character into your message. This displays only when Predictive text is set to On.

Matches—View matching words found in the dictionary for the word you want to use.

Create a distribution list

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Distribution lists* > *Options* > *Add list*.
2. Enter a name for the list, and select *OK*.
3. To add contacts to this list, select *Options* > *Add contact*.
4. Add the contacts one by one to this list.

Send a message to a distribution list

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Create message*.

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2. Select *Add list*, scroll to a distribution list, and select *OK*.
3. Select *Options* > *Edit message* or *Edit text*.
4. Compose a message using the keypad, and select *Options* > *Send*.
5. Select *Options* > *Send*.

Your message is then sent to each of the recipients in the list.

Read a message

When you receive a message, a notification message displays and is displayed. When you have unopened messages in your inbox, is shown in the upper left corner of the start screen as a reminder.

1. Select *Show* to read the message, or *Exit* to dismiss notification.
2. Scroll up or down to view the whole message if necessary.

Options while reading a message

When you read a text message, the following options are available:

Delete—Discard the message.

Reply—Reply to the message. Create the message, and select *Options* > *Send*. The sender's phone number or e-mail is used as the default

Use number—Select *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.

Reply to a message

When you receive a message, a notification message is displayed.

1. Select *Show* > *Options* > *Reply*.
2. Select a reply option; then compose your reply using the keypad.
3. Select *Options* > *Send*.

To reply to a previously received message:

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Inbox* and select a message.
2. Select *Options* > *Reply* to respond.

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Change sending options

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Message settings* > *Sending options*.
2. Select the setting you wish to change:

   Priority—Select 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 default phone number.

Change message settings

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Message settings* > *Other settings*.
2. 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*.

When the message memory is full, your device cannot send or receive any new messages. However, you can set your device to automatically replace old messages in the Inbox and Sent items folders when new ones arrive.

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.

To save a draft of a message you are creating, select *Options* > *Save message* > *Templates*. To save a received message, select *Options* > *Save message* > *Sent items*, *Templates*, *Archive*, or a folder you have created.

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Save the message to another folder

While viewing a message, select *Options* > *Save message* and the destination folder.

View saved messages

1. At the start screen, select *Menu* > *Messages* > *Text messages*.
2. Select the folder containing the message you wish to view.
3. When the folder opens, select the message you wish to view.

Inbox folder

Messages are automatically stored in the inbox after you read them, or if you select *Back* when notification is displayed on the start screen.

Sent items folder

Messages that you have sent and messages that you have created but have not sent are automatically stored in the sent items folder.

When sending messages, set *Save to Sent items as sending* to *Always save* or *Always prompt* to ensure that your messages are saved. If Save to Sent items as sending is set to Off, sent messages are not stored in the sent items folder. To change the settings, select *Menu* > *Messages* > *Text messages* > *Message settings* > *Other settings*.

Archive folder

Store messages that have been read in the *Archive* folder.

Templates folder

Pictures and prewritten templates are stored in the *Templates* folder. Preloaded templates can be edited and customized.

My folders

To keep your messages organized, create custom folders and save some of your messages there.

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Add a folder

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *My folders* > *Options* > *Add folder*.
2. Enter a name for the new folder, and select *OK*.

Rename a folder

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *My folders*. Any folders that you have created are displayed.
2. Scroll to the folder you wish to rename, and select *Options* > *Rename folder*.
3. Select and hold *Clear* to delete the existing entry.
4. Enter the new name for the folder, and select *OK* to confirm or *Back* to exit.

Delete a folder

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.

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *My folders*.
2. Scroll to the folder you wish to remove, and select *Options* > *Delete folder*.
3. Select *OK* to delete or *Back* to exit.

Delete messages

If your message memory is full and you have more messages waiting at the network, ✉ blinks on the start screen. You can do the following:

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

A single message

To delete a single message, you need to open it first.

1. At the start screen, select *Menu* > *Messages* > *Text messages*.
2. Select the folder containing the message you wish to delete.
3. Select the message you wish to delete.
4. Select *Options* > *Delete* > *OK* to delete the message or *Back* to exit.

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All messages in a folder

1. At the start screen, select *Menu* > *Messages* > *Text messages* > *Delete messages*.
2. Select the folder containing the messages you wish to delete.

   All—Deletes all messages in all of the folders.

   All read—Deletes any messages that have been read in all of the folders.

   All unread—Deletes any messages that 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.

   User defined folders—All user defined folders that the user has added under **My folders** are displayed at the end of the predefined folders.
3. Select *OK* to empty the folder.

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 device to use voice mail. When you receive a voice message, your device displays a notification and may beep or vibrate. If you receive more than one message, your device shows the number of messages received.

Save voice mailbox number

Your wireless provider may have already saved your voice mailbox number to your device. If so, the number will appear in the display in step 2. Select *OK* to leave the number unchanged.

1. At the start screen, select *Menu* > *Messages* > *Voice messages* > *Voice mailbox number*.
2. If the box is empty, enter the voice mailbox area code and number.
3. Select *OK*.

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Call and set up your voice mail

1. When you have saved the voice mailbox number, press and hold **1**.
2. When you connect to voice mail and the prerecorded greeting begins, follow the automated instructions to set up your voice mail.

Listen to your voice messages

You can dial your voice mailbox number in one of these ways:

- Dial the number using the keypad.
- Press and hold **1**.
- Select *Listen* if there is a notification message in the display.
- At the start screen, 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 the number 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.

Voice mailbox number and process

1. Write down your voice mailbox number.
2. Call and check your voice mail as you normally would.
3. Write down your step-by-step interaction with the recorded prompts. Remember that each voice mail service varies. Your steps may resemble the following:

   Dial 2145551212, pause 5 seconds, press 1, pause 2 seconds, press 1234 and *.

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Be precise; you need this information to set up your voice mail with dialing codes.

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:

Dialing code	Indicates...
*	Bypasses a set of instructions.
+	Causes the International access code to be replaced by +.
p	Pauses for 2.5 seconds before sending any numbers that follow.
w	Waits for you to press **Call** before sending the numbers or codes that follow.

Set up voice mail with dialing codes

1. At the start screen, select *Contacts* > *1-touch dialing*.
2. Scroll to an empty 1-touch dialing slot, and select *Assign*.
3. Enter your voice mailbox number, including the area code.
4. Refer to dialing codes, and enter codes as necessary using the information that you saved from "Voice mailbox number and process," page 44.

   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 assigned 1-touch dialing key at the start screen.

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Picture messages

Picture messaging is a network service. If your wireless service provider supports this feature, your device comes with five preloaded pictures. You can, however, over-write any of the five pictures that come with your device. Pictures can be attached to a message and sent using text messaging to compatible devices or PCs. Picture messages behave the same as text messages, but pictures take up more space than text. Pictures are stored in the Templates folder at *Menu* > *Messages* > *Text messages* > *Templates*.

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

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

Write and send

When a picture is added to a text message, the message converts to picture message. The message counter in the upper right of your display shows the characters available for you to type in.

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

Note: Picture images are not saved in Sent items.

Note: Pictures can only be received via SMS.

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View a picture message

When you receive a picture message, appears in the display.

1. Select *Show* to view the picture message, or select *Exit* to move it to your inbox.
2. If you have more than one picture message, select the message of your choice.

   When you have unopened picture messages in your inbox, appears in the upper left corner of the start screen as a reminder.
3. Scroll to view the whole picture if necessary.
4. Once you are finished, select *Back* to move the picture message to the Inbox or *Options* for other choices such as *Reply* or *Forward*.

If you want to save the picture to your Templates folder for later use, select *Options* > *Save picture*. Enter a title for the picture, and select *OK*.

If your templates folder is full of pictures, select the picture you want to replace.

Minibrowser messages

Minibrowser messaging is a network service. See "Network Services," page 9.

If your wireless service provider supports this feature, you can check for e-mail messages using the minibrowser. At the start screen, select *Menu* > *Messages* > *Minibrowser* > *Connect*.

For information on using the Minibrowser in your device to access web pages, see "Minibrowser," page 77.

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6. Call log

Call log stores information about the last 20 missed, 20 received, or 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—Make a call using the number.

Edit 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 missed calls

Missed calls are calls that were either dismissed or never answered. The missed calls feature does not function when your device is switched off.

1. If a missed call notification appears in the display, select *List*; otherwise, from the start screen, select *Menu* > *Call log* > *Missed calls*.
2. When the phone number appears in the display, select *Options*.
3. Select an option.

View received calls

Received calls are calls that have been answered.

1. At the start screen, select *Menu* > *Call log* > *Received calls*.
2. Select a name or number and *Options*.
3. Select an option.

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Dialed numbers

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

1. At the start screen, press **Call**, or select *Menu* > *Call log* > *Dialed numbers*.
2. Select a name or number and *Options*.
3. Select an option.

Call times

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

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

Delete call logs

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

1. At the start screen, select *Menu* > *Call log* > *Delete recent call lists*.
2. Select the call type you would like to clear: *All*, *Missed*, *Received*, or *Dialed*.

Duration of calls

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.

Last call

At the start screen, select *Menu* > *Call log* > *Call timers* > *Duration of last call* for more information.

Show call time on display

At the start screen, select *Menu* > *Call log* > *Call timers* > *Duration of last call* > *Details* > *Show call time on display*, and set to *On* or *Off*.

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Dialed calls

At the start screen, select *Menu* > *Call log* > *Call timers* > *Duration of dialed calls* > *Details* for more information.

Received calls

At the start screen, select *Menu* > *Call log* > *Call timers* > *Duration of received calls* > *Details* for more information.

All calls

At the start screen, select *Menu* > *Call log* > *Call timers* > *Duration of all calls* for more information.

Life timer

At the start screen, select *Menu* > *Call log* > *Call timers* > *Life timer*.

Some timers, including the life timer, may be reset during service or software upgrades.

Clear timers

At the start screen, select *Menu* > *Call log* > *Call timers* > *Clear timers*, enter your lock code, and select *OK*.

Duration of data and fax calls

Data and fax calls are a network service. See "Network Services," page 9 for more information. If your wireless service provider supports this feature, you can view the size or duration of sent or received data and fax calls.

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.

At the start screen, select *Menu* > *Call log* > *Data/fax calls* and scroll to one of the following options:

Last sent data/fax—View the size (kB) of the last send data or fax call.

Last received data/fax—View the size (kB) of the last received data or fax call.

All sent data/fax—View the size (kB) of all sent data and fax calls.

Duration of last data/fax call—View the duration time of the last data or fax call.

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All received data/fax—View the size (kB) of all received data and fax calls.

Duration of all data/fax calls—View the duration time of all calls.

Clear all data/fax logs—Select *OK* > *Yes* to clear all data and fax registers.

Duration of minibrowser

Minibrowser is a network service and is a carrier dependent feature. See "Network Services," page 9. If your wireless service provider supports this feature, you can view the size or duration of sent or received data from the Minibrowser.

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.

1. At the start screen, select *Menu* > *Messages* > *Minibrowser messages*.
2. Scroll to 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 registers.

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7. Settings

Use this menu to set or change profiles, tone settings, call settings, phone settings, time and date settings, enhancement settings, security settings, network settings, or to restore the factory settings.

Profiles

Profiles define how your device 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. See "Enhancement settings," page 62.

Activate

1. At the start screen, select *Menu* > *Settings* > *Profiles*.
2. Select the profile of your choice.
3. Select *Activate*.

Personalize a profile

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

1. At the start screen, select *Menu* > *Settings* > *Profiles*.
2. Select the profile you wish to customize.
3. Select *Customize*.
4. Select the option you want to customize: *Incoming call alert*, *Ringing tone*, *Ringing volume*, *Vibrating alert*, *Light alert*, *Message alert tone*, *Keypad tones*, *Warning tones*, *Alert for*, or *Profile name*.

You cannot rename the Normal profile.

Select *Alert for* to set the phone to ring only upon calls from phone numbers that belong to a selected caller group. Scroll to the caller group you want or *All calls*, and select *Mark* or *Unmark* > *Done*. To set the phone to ring for every call, select *All calls* > *Mark* > *Done*.

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Set a timed profile

Timed profiles can be used to prevent missed calls. For example, you attend an event that requires your device 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 device to the default profile at a time you specify.

Timed profiles can be set up to 24 hours in advance.

1. At the start screen, select *Menu* > *Settings* > *Profiles*.
2. Select the profile you wish to activate and set for timed expiration.
3. Select *Timed*.
4. Enter the time for the profile to expire, and select *OK*.

Tone settings

From this menu, you can adjust the ringing volume, keypad tones, and other tone settings for the currently active profile. You can also set the device to ring for calls from phone numbers that belong to a selected caller group. See "Personalize a profile," page 52.

Call settings

Location info sharing

Location info sharing is only available for the Nokia 2115i phone. Location info sharing is a network service. See "Network Services," page 9.

If your wireless service provider supports this feature, 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.

At the start screen, select *Menu* > *Settings* > *Call settings* > *Location info sharing* > *Emergency* or *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 programmed into your phone. The phone screen displays in the upper, left-hand corner of the start screen.

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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 start screen.

Location information will always be shared with the network during emergency calls to the official emergency number programmed into the phone, regardless of which setting is selected. After placing an emergency call, the phone remains in emergency mode for five minutes. During this time, the location information will be shared with the network. See "Emergency calls," page 88.

Anykey answer

Anykey answer allows you to answer an incoming call: briefly press any key except the **Power** key, **Right selection** key, or **End** key.

At the start screen, 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 device redials the number until the call is successful, or is terminated.

At the start screen, select *Menu* > *Settings* > *Call settings* > *Automatic redial* > *On* or *Off*.

1-touch dialing

You can activate or deactivate 1-touch dialing. At the start screen, select *Menu* > *Settings* > *Call settings* > *1-touch dialing* > *On* or *Off*. See "1-touch dialing," page 29.

Auto-update of service

This feature is a network service. Your device is capable of receiving updates to network services sent to your device by your service provider.

At the start screen, select *Menu* > *Settings* > *Call settings* > *Auto-update of service* > *On* or *Off*.

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Minibrowser confirmation

You can specify whether or not you want your device to display messages when you begin or end a browser session.

1. Select *Menu* > *Settings* > *Call settings* > *Minibrowser confirmation*.
2. Select one of the following options:

   None—No confirmation notes are displayed.

   Both—Confirmation required before connecting to the Internet and before you terminate a browser session.

   On connection—Device asks you to confirm your awareness to possible charges incurred for Internet access.

   On exit—Device asks you to confirm your wish to end browsing.

Calling card

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

Save information

1. At the start screen, select *Menu* > *Settings* > *Call settings* > *Calling card*.
2. Enter your lock code, and select *OK*.
3. Scroll to one of the four memory locations, and select *Options* > *Edit* > *Dialing sequence*.
4. Select one of the following sequence types:

   Access no. + phone no. + card no.—Dial the calling card access number, phone number, card number, and PIN, if required.

   Access no. + card no. + phone no.—Dial the calling card access number, card number, PIN (if required), and phone number.

   Prefix + phone no. + card no.—Dial the prefix (numbers that must precede the phone number), phone number, card number, and PIN (if required).
5. Enter the required information (access number or prefix and card number), and select *OK* to confirm your entries.
6. Select *Card name*.

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7. Enter the card name, and select *OK*.

Contact your calling card company for more information.

Make calls

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

1. At the start screen, select *Menu* > *Settings* > *Call settings* > *Calling card*.
2. Enter your lock code, and select *OK*. (See "Change the lock code," page 63.)
3. Scroll to the calling card of your choice, and select *Options* > *Select* > *OK*.
4. Press **End** to return to the start screen; 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 **Call** for a few seconds until *Card call* is displayed.
6. When you hear the tone or system message, select *OK*.

International prefix

You can store an international dialing prefix into your device. When you enter + at the beginning of a phone number, your device automatically inserts the international dialing prefix that you have stored.

1. At the start screen, select *Menu* > *Settings* > *Call settings* > *International prefix*.
2. Enter the international dialing prefix (for example, 0011) and select *OK*.
3. At the start screen, press * twice to use + and enter the phone number you wish to call, for example, +3546789.

   The device dials the international dialing prefix you have stored in your device and the phone number you have entered (for example, the device dials 00113546789).

Data and fax calls

Data or fax calls is a network service. See "Network Services," page 9.

If your wireless service provider supports this feature, you can set up the device to send or receive data or fax calls when a terminal, such as a PDA or PC, is connected.

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For better performance during data calls, place the device on a stationary surface. Do not move the device by holding it in your hand during a data call.

For more information on connectivity, see the PC/PDA Connectivity Guide. The PC/PDA Connectivity Guide can be downloaded from the Nokia web site at http://www.nokiausa.com/us.

1. At the start screen, select *Menu* > *Settings* > *Call settings* > *Data/fax calls* > *Incoming data/fax call* and one of the following options:

   Normal—The device receives incoming calls as usual.

   Data calls only—The device receives only data calls.

   Fax calls only—The device receives only fax calls.

2. When you are finished receiving the fax or data call, repeat Steps 1 and 2 and select *Normal*.

Data transfer

To view the transmission speed when sending or receiving data or fax calls, at the start screen, select *Menu* > *Settings* > *Call settings* > *Data/fax calls* > *Data rate display* > *Graphic* or *Off*.

Call Summary

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

At the start screen, select *Menu* > *Settings* > *Call settings* > *Call summary* > *On* or *Off*.

Phone settings

Phone language

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Phone language*.

2. Select the language of your choice.

The language setting may affect the time and date formats of the clock, alarm clock, and calendar.

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Automatic keyguard

You can set the keypad of your device to lock automatically after a preset time delay.

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Automatic keyguard* > *On* or *Off*.
2. If you select *On*, Set delay is displayed.
3. Enter the delay (in minutes and seconds), and select *OK*.

When keyguard is on, it may be possible to dial the emergency number programmed into your device.

Touch tones

Touch tones are the tones that sound when you press the keys on your device 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 device keypad, or send them automatically by saving them in your device.

Set type

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Touch tones* > *Manual Touch tones*.
2. Select 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.

At the start screen, select *Menu* > *Settings* > *Phone settings* > *Touch tones* > *Touch tone length* > *Short* (0.1 second) or *Long* (0.5 second).

Welcome note

You can write a welcome note which briefly appears on the display screen, if provided by your service provider, whenever you switch your device on.

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Predictive text input is not available for entering Welcome note text.

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Welcome note*.
2. Enter a note (up to 44 characters).

   Press * to display and select from available special characters.
3. When you are finished, select *Options* > *Save*.

Select *Delete* if you want to delete the previous text and begin creating another welcome note.

Banner

Banner is a network service. See "Network Services," page 9.

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

At the start screen, select *Menu* > *Settings* > *Phone settings* > *Banner* > *Default* or *Customize*.

Help text activation

Your device 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 through the full help text, if necessary.

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

At the start screen, select *Menu* > *Settings* > *Phone settings* > *Help text activation* > *On* or *Off*.

Display brightness

You can change the brightness of your device display.

1. At the start screen, select *Menu* > *Settings* > *Phone settings* > *Display brightness*.
2. Scroll up and down to adjust the brightness level to your preference.
3. Select *OK* to accept your settings.

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Time and date settings

Time

Show or hide the clock

At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Clock* > *Show clock* or *Hide clock*.

Set the time

1. At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Clock* > *Set the time*.
2. Enter the time in *hh:mm* format, and select *OK*.
3. Select *am* or *pm* (only when the 12-hour format is in use).

Change the format

At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Clock* > *Time format* > *24-hour* or *12-hour*.

Date

Show or hide the date

At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Date* > *Show date* or *Hide date*.

Set the date

1. At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Date* > *Set the date*.
2. Enter the date, and select *OK*.

Change the date format

1. At the start screen, select *Menu* > *Settings* > *Time and date settings* > *Date* > *Date format* and the format of your choice.
2. With Date on the display, select *Date separator* and the separator of your choice.

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Set the auto-update

Auto-update is a network service. See "Network Services," page 9.

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 travel to another network or time zone).

At the start screen, select *Menu* > *Settings* > *Time and date 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 re-enter your digital network.

If your battery is removed or discharged 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).

Voice commands

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

Add a voice command

Before using a voice command, you must add the command to the device function.

1. At the start screen, select *Menu* > *Settings* > *Voice commands*.
2. Select the device function you wish to tag: *Profiles*, *Voice mailbox*, *Voice recorder*, or *Call log*.
3. If necessary, select an option associated with that function, and select *Options* > *Add command*.
4. Select *Start*, and speak the voice command clearly into the microphone.

Do not select *Quit* unless you want to cancel the recording.

The device replays then saves the recorded command. appears next to functions that have voice commands assigned.

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Activate a voice command

After you have associated a voice command with a device function, you can request the function by speaking the voice command.

1. Select and hold *Contacts*.
2. When Please speak now appears, pronounce the voice command clearly into the microphone.

When the device finds the voice command, Found appears, and the device plays the recognized voice command through the earpiece. The function you requested is activated.

Voice command options

After you have associated a voice command with a function, select one of the following options:

Playback—Listen to the voice command.

Change—Change the voice command.

Delete—Erase the voice command.

Enhancement settings

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

At the start screen, select *Menu* > *Settings* > *Enhancement settings* > *Headset*, *Handsfree*, *Loopset*, *TTY/TDD*, or *Charger* and the desired accessory.

Security settings

Phone lock

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

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

1. At the start screen, select *Menu* > *Settings* > *Security settings* > *Phone lock*.
2. Enter the lock code, and select *OK*.

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3. Select one of the following options:

   On turns the phone lock feature on immediately after the device is turned off and then on.

   Off immediately turns off the phone lock feature.

Call not allowed is displayed if you attempt to place a call while the device is locked.

To answer a call with phone lock on, select *Answer*, or press **Call**.

Allowed phone number when phone locked

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

1. At the start screen, select *Menu* > *Settings* > *Security settings* > *Allowed number when phone locked*.
2. Enter the lock code, and select *OK*.
3. Enter the phone number; or select *Search*, recall the number from the phone book, and select *OK*.

Change the lock code

Tip: Avoid using codes similar to emergency numbers such as 911 to prevent accidental dialing of the emergency number.

The lock code controls access to features and is supplied with the device. The preset lock code is the last four digits of your phone number. When you change the lock code, keep the new code secret and in a safe place separate from your device.

1. At the start screen, select *Menu* > *Settings* > *Security settings* > *Change lock code*.
2. Enter the current lock code (the default is the last four digits of your phone number), and select *OK*.
3. Enter the new lock code (5 characters), and select *OK*.
4. Reenter the new lock code for verification, and select *OK*.

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Restrict calls

Call restriction is a network service. See "Network Services," page 9.

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

1. At the start screen, select *Menu* > *Settings* > *Security settings* > *Call restrictions*.
2. Enter the lock code, and press *OK*.
3. Select the types of calls you wish to restrict:

   Restrict outgoing calls—Calls cannot be made.

   Restrict incoming calls—Calls cannot be received.
4. Select one of the following options:

   Select—Restricts a specific number or *All calls*. Select *Mark* to enable a restriction.

   Add restriction—Enter a specific number and name, or select *Search* to enter a number from the contacts list.

   Edit—Allows you to edit previously entered restricted numbers.

   Delete—Allows you to delete previously entered restricted numbers.

Network

The menu options you see in your device are based on your service provider's network. The network determines which options actually appear in the device menu. Check with your service provider for more information.

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

Roaming options

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

1. At the start screen, select *Menu* > *Settings* > *Network* > *Roaming options*.

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2. Select one of the following:

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

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

3. Press *OK*, if necessary, to confirm the activation.

Network services features

The following features are network services. See "Network Services," page 9.

Store a feature code

1. At the start screen, select *Menu* > *Settings* > *Network services* > *Network feature setting*.
2. Enter the feature code from your service provider (for example, *900 to activate *Forward if busy*), and select *OK*.
3. Select *Call forwarding*.
4. Scroll to the type of forwarding that matches the feature code you entered (for example, *Forward if busy*), and select *Activate*.

The activated feature code is now stored in your device, and you are returned to the Feature code: field. Continue entering other feature codes (for example, *900 to cancel Forward if busy), or press **End** to return to the start screen.

When you enter a network feature code successfully, the feature becomes visible in the Network services menu.

Call forward

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

Activate

This is a network service. All options listed may not appear in the display. Contact your wireless provider for more information.

1. At the start screen, select *Menu* > *Settings* > *Network services* > *Call forwarding*.

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2. Select one of the following options:

   Forward all calls—Forwards all calls to the number you specify.

   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 device is off.

   Forward all data calls—Forward incoming data calls to the number you specify.

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

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

Cancel

At the start screen, select *Menu* > *Settings* > *Network services* > *Call forwarding* > *Cancel all call forwarding*.

Cancel all call forwarding may affect your ability to receive voice mail messages. Contact your wireless provider for specific details.

Call waiting

If your wireless provider supports this feature, call waiting notifies you of an incoming call even while you are in a call. You can then accept, decline, or ignore the incoming call.

1. At the start screen, select *Menu* > *Settings* > *Network services* > *Call waiting* > *Activate* or *Cancel*.
2. During a call, select *Answer*, or press **Call** to answer the waiting call.

   The first call is put on hold.

3. Press **End** to end the active call.

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Send my caller ID

If your wireless service provider supports this feature, then you can prevent your number from appearing on the receiving party's caller ID.

At the start screen, select *Menu* > *Settings* > *Network services* > *Send my caller ID* > *Yes* or *No*.

Own number selection

At the start screen, select *Menu* > *Settings* > *Network services* > *Own number selection*. This feature is carrier dependent.

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. At the start screen, select *Menu* > *Settings* > *Restore factory settings*.
2. Enter the lock code (the default lock code is the last four digits of your phone number), and select *OK*.

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8. Organizer

Your device 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 device clock. It sounds an alert any time you specify and works even when the device is turned off.

1. At the start screen, select *Menu* > *Organizer* > *Alarm clock*. If the alarm has been previously set, select *On*.
2. Enter the time for the alarm in *hh:mm* format, and select *OK*.
3. Select *am* or *pm* if 12-hour format has been selected.

   Alarm on appears briefly in the display, and appears on the start screen.

Alarm conditions

When the alarm sounds, your device beeps and/or vibrates (if vibrate alert is on in the currently active profile), and lights up.

With the device on, select *Stop* to shut the alarm off, or select *Snooze*. If you select *Snooze*, the alarm stops for 10 minutes, and Snooze on appears in the display.

If you do not press a key, the alarms stops after 1 minute and snoozes for 10 minutes, then sounds again.

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 device use may cause interference or danger.

Turn an alarm off

At the start screen, select *Menu* > *Organizer* > *Alarm clock* > *Off*.

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Calendar

The calendar keeps track of reminders, calls you need to make, meetings, memo, 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

At the start screen, select *Menu* > *Organizer* > *Calendar*.

You can move the cursor in some calendar views with the scroll keys.

Go to a date

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

Note a specific date

Your device asks for further information depending on the type of note you select. You can also set an alarm for your note.

1. Go to the date for which you want to set a reminder. See "Go to a date," page 69.
2. From the monthly view, with the date highlighted, select *Options* > *Make a note*.
3. Select one of the following note types:

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

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Reminder—You are prompted to enter the subject of the reminder. You are then given the option to set an alarm.

4. 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. At the start screen, select *Menu* > *Organizer* > *Calendar*.
2. Scroll to the date containing the note.

   Any days containing notes will be in bold type.
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 a day's notes and one of the following:

The options listed below are available while viewing the body of a note.

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).

Tip: Repeat is not available for Birthday note.

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

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Send a note

1. At the start screen, select *Menu* > *Organizer* > *Calendar*.
2. Scroll to the date containing the note you wish to send.

   Any days containing notes will be in bold type.
3. Select *Options* > *View day*.
4. Select the note you wish to send and *Options* > *Send note* > *Via calendar* or *Via text msg.*
5. If you select *Via calendar*, enter the number for the recipient; or select *Search* to retrieve a number from the contacts list and *OK*. The note is sent.
6. If you select *Via text msg.*, select *Add number*.
7. Enter the number for the recipient; or select *Search* to retrieve a number from the contacts list and *OK*.
8. Select *Options* > *Send*.

Receive notes

When you receive a calendar note, your device displays notification that the calendar note arrived. Save the note in your calendar, and set an alarm for any date and time.

View notes

1. When your device displays notification that the calendar note arrived, select *Show*.
2. Scroll to view the entire message, if necessary.

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 speech or sound with your device and listen to them later. The total available time is 60 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.

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Record speech or sound

1. At the start screen, 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. Type in a name for the recording, and select *OK*. The recording is saved to the recording list.

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 device adds, subtracts, multiplies, divides, calculates the square and the square root, changes the sign of the number entered, and converts currency values.

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

1. At the start screen, 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*. Select *Options* > *Change sign* to change the sign of your result.

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Currency converter

You can convert foreign currency to domestic or vice versa.

1. At the start screen, 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. At the start screen, 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 device sounds an alarm.

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

Set the countdown timer

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

appears on the start screen when the countdown timer is set.

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

- Press any key during the alarm to stop the timer.
- After 60 seconds the timer alert expires automatically.

Change the time

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

1. At the start screen, 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.

At the start screen, select *Menu* > *Organizer* > *Countdown timer* > *Stop timer*.

Stopwatch

Your device 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.

Split or Lap time

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

1. At the start screen, select *Menu* > *Organizer* > *Stopwatch* > *Split timing* or *Lap timing* > *Start*.

   Split timing—You can use the split time function for such things as a long distance race when you need to pace yourself. Select *Split* to note the lapsed time. The timer continues to run and the split time appears below the running time. Each time you select *Split*, the new measured time appears at the beginning of the list.

FCC DRAFT

Lap timing—You can use the lap time function when you want to track how long it takes to complete each cycle or lap. Select *Lap* to note the lap time. The clock stops, then immediately from zero. The lap time appears below the running time. Each time you select *Lap*, the new measured time appears at the beginning of the list.

2. Select *Stop* to end timing and display total time.

Save, view or delete split and lap times

- To save a time while the clock is running select *Stop* > *Save*, 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 or split time.
- To view the last measured time, from the start screen, select *Menu* > *Organizer* > *Stopwatch* > *Split timing* or *Lap timing* > *Show last time*.
- To browse saved times, from the start screen, select *Menu* > *Organizer* > *Stopwatch* > *Split timing* or *Lap timing* > *View times*.
- To delete a saved time, from *Stopwatch*, select *View times* > *Select* > *Delete* or select *Delete times* > *One by one* or *Delete all*.

Operation note

If you press **End** and return to the start screen, the clock continues to run in the background, and appears in the upper left corner of the screen.

To return to the stopwatch, do the following:

1. At the start screen, select *Menu* > *Organizer* > *Stopwatch* >*Continue*.
2. To stop the clock, select *Stop*.

FCC DRAFT

9. Games

Challenge yourself or a friend to one of the fun games in your device.

Some menus listed are network services. Contact your wireless provider for more information.

Game settings

At the start screen, select *Menu* > *Games* > *Settings* > *Game sounds*, *Game lights*, or *Shakes*.

Play a game

1. At the start screen, select *Menu* > *Games* > *Select game*.
2. Select a game.
3. Options and submenus vary with each game. Select one of the following options, if supported by the 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. Select *More* for more information.

FCC DRAFT

10. Minibrowser

Minibrowser is a carrier dependent feature and a network service. See "Network Services," page 9.

Your device 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 weather reports, check news or flight times, view financial information, and much more. The web browser on your device 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.

Mobile Internet access

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

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. 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 device. Normally this is done by your wireless provider when you have subscribed to the feature. Contact your wireless provider if you have problems using the browser.

Sign on to the mobile Internet

Depending on your device's carrier, at the start screen, select *Menu* > *Minibrowser* > *Connect* or *Menu* > *My Metro*.

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

FOC DRAFT

Navigate the mobile Internet

Since your device 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 device keys to navigate a WAP site.

Device keys

- To browse the WAP site, scroll up or down.
- Select a highlighted item.
- To enter letters and numbers, press a key from **0–9**.
- To enter special characters, press *****.

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 **Call**. To decline the call, press **End**.

After you end your voice call, the mobile Internet connection automatically resumes.

If your wireless service provider does not support incoming calls while browsing, then the incoming calls are automatically forwarded to voice mail.

Make an emergency call while online

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

1. To close your mobile Internet connection, press **End**.
2. Press **End** as many times as needed to clear the display and ready the device for calls.
3. Enter the emergency number for your present location (for example, 911). Emergency numbers vary by location.
4. Press **Call**.

Disconnect

To close your mobile Internet connection, press and hold **End**.

FCC DRAFT

11. PC Connectivity

With the PC Suite you can create and send text and picture messages and synchronize contacts and calendar between your device and a compatible PC. You may find more information for PC suite in the support area on the Nokia web site, www.nokiausa.com.

Some of the features in PC Suite are carrier dependent.

PC suite

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

Copyright protection may prevent some images, ring tones, and other content from being copied, modified, transferred, or forwarded.

FCC DRAFT

12. Enhancements

Check the model number of any charger before use with this device. This device is intended for use when supplied with power from a Nokia ACP-7, Nokia ACP-12, Nokia AC-1, or Nokia LCH-12 charger.

Your device contains a Standard 1070-mAh LI-Ion Battery (BL-6C).

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.

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 Charger (ACP-7)
- Travel Charger (ACP-12)
- Retractable Charger (AC-1)
- Mobile Charger (LCH-12)

Headset and Audio

- Boom Headset (HDB-4)
- Ear Bud Headset (HS-5)
- Retractable Headset (HS-10)
- Inductive Loopset (LPS-4)

FCC DRAFT

- TTY/TDD adapter (HDA-10)

Car and Desk Stand

- Desk Stand (DCV-14)
- Easy-to-use Handsfree (HF-3)
- Headrest Handsfree (BHF-3)

Miscellaneious

- Data Cable (CA-42)
- Xpress-on Color Covers
- Carry Case

See **www.nokia.com/phones** for more information about enhancements.

FCC DRAFT

13. Battery information

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

Charging and discharging batteries

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.

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

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

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

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

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

FCC DRAFT

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.

How do you check the security features on batteries with hologram labels?

1. When looking at the hologram 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. to the left, right, down, and up sides of the logo, 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 verifying it at the Nokia website. Go to www.nokia.com/batterycheck and follow the instructions.

You should receive a message indicating whether the code can be authenticated.

FCC DRAFT

What if your battery is not verified as authentic?

If you cannot confirm that your Nokia battery with the hologram label is an authentic Nokia battery, please do not use the battery, but 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.

Charging times

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

Travel Charger (ACP-12): up to 1 hour 45 minutes

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: 3.7 up to 4.6 hours
Standby time: 139 up to 212 hours

FCC DRAFT

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 and all of its parts and accessories out of the reach of small children.
- Keep the device dry. Precipitation, humidity and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery and allow the device to dry completely before replacing it.
- Do not use or store the device in dusty, dirty areas. Its moving parts and electronic components can be damaged.
- Do not store the device in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the device in cold areas. When the device returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- Do not paint the device. Paint can clog the moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the device and may violate regulations governing radio devices.
- Use chargers indoors.

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.

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

FCC DRAFT

Additional safety information

Operating environment

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 7/8 inch (2.2 cm) 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 at least 7/8 inch (2.2 cm) away from your body.

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

Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical phones. 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 phone 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 6 inches (15.3 cm) 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. To minimize the potential for interference, persons with pacemakers should

- Always keep the phone more than 6 inches (15.3 cm) from their pacemaker when the phone is switched on
- Not carry the phone in a breast pocket
- Hold the phone to the ear opposite the pacemaker to minimize the potential for interference

FCC DRAFT

If you have any reason to suspect that interference is taking place, switch off your phone immediately.

HEARING AIDS

Some digital wireless phones 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 phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to the phone. Check regularly that all wireless phone 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 phone, its parts, or enhancements. For vehicles equipped with an air bag, remember that an air bag inflates 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.

Potentially explosive environments

Switch off your phone 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 phone at refueling points such as near gas pumps at service stations. Observe restrictions on the use of radio equipment in fuel depots, storage, and distribution areas, chemical plants or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), and areas where the air contains chemicals or particles such as grain, dust or metal powders.

FCC regulations prohibit using your wireless device while in the air. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network, and may be illegal.

FCC DRAFT

Failure to observe these instructions may lead to suspension or denial of telephone services to the offender, legal action, or both.

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, do the following:

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

If certain features are in use, you may first need to turn those features off before you can make an emergency call. If the phone is in an offline or flight mode, you must change the profile to activate the phone function before you can make an emergency call. Consult this guide or your service provider. When making an emergency call, give all the necessary information as accurately as possible. Your wireless phone 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)

THE NOKIA 2115 AND NOKIA 2115i DEVICES MEET 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

FCC DRAFT

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 for device type RH-66 is 0.75 W/kg. Your phone's device type is listed on the label located under the battery.

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.nokia.com**.

USA and Canada: The SAR limit of USA (FCC) and Canada (IC) is 1.6 W/kg averaged over one gram of tissue. Device type RH-66 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 1.20 W/kg and when properly worn on the body is 1.03 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-66.

Technical information

Feature	Specification
Dimensions	Width 42.2 mm Length 102.4 mm Depth 21.5 mm
Weight	85 g with BL-6C
Wireless networks	CDMA 1900 or 800
Volume	70 cc
Frequency range (Tx)	AMPS: 824.04–848.97 PCS: 1851.25–1908.75 MHz Cellular: 824.70–848.37 MHz

FCC DRAFT

Feature	Specification
Frequency Range (Rx)	AMPS: 869.04–893.97 PCS: 1931.25–1988.75 MHz Cellular: 869.70–893.37 MHz
GPS (2115i)	1575.42 MHz

Patent information

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

D405445	5491718	5758278	5887250	6025802	6088342	6377813
D406583	5596571	5790957	5887252	6029065	6148209	6414640
D414189	5642377	5793744	5889770	6047071	6154455	6434186
D405784	5699482	5796757	5929813	6055264	6167038	6459689
D423515	5701392	5802465	5990740	6072787	6205325	6463031
4969192	5708656	5821891	5991627	6076181	6253075	6466173
5440597	5737323	5854978	6005889	6078570	6292474	6480700
5444816	5754976	5859843	6009129	6084471	6332083	6480155
6486835	6496150	6570909	6580771	6587685		

Others

4558302	4901307	5056109	5101501	5109390	5265119	RE32580

FCC DRAFT

Nokia one-year limited warranty

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

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

FCC DRAFT

7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:
   a) The Product has been subjected to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Nokia, including damage caused by shipping.
   b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, damage caused by computer or Internet viruses, bugs, worms, Trojan Horses, cancelbots or damage caused by the connection to other products not recommended for interconnection by Nokia.
   c) Nokia was not advised in writing by the Consumer of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.
   d) The Product serial number plate or the enhancement data code has been removed, defaced or altered.
   e) The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna, or viruses or other software problems introduced into the Product.
8. Nokia does not warrant uninterrupted or error-free operation of the Product. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:
   a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.
   b) If "a" is not convenient because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to:
      Nokia Inc., Attn: Repair Department
      795 West Nasa Blvd.
      Melbourne, FL 32901

FCC DRAFT

c) The Consumer shall include a return address, daytime phone number and/ or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related to removing the Product from an installation are not covered under this limited warranty.

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

e) Nokia will repair the Product under the limited warranty within 30 days after receipt of the Product. If Nokia cannot perform repairs covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage. In some states the Consumer may have the right to a loaner if the repair of the Product takes more than ten (10) days. Please contact the Customer Service Center at Nokia at the telephone number listed at the end of this warranty if you need a loaner and the repair of the Product has taken or is estimated to take more than ten (10) days.

f) If the Product is returned during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.

9. You (the Consumer) understand that the product may consist of refurbished equipment that contains used components, some of which have been reprocessed. The used components comply with Product performance and reliability specifications.

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY

FCC DRAFT

AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF DATA, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWNTIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.

11. Some states do not allow limitation of how long an implied warranty lasts, so the one year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.
12. Nokia neither assumes nor authorizes any authorized service center or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.
13. This is the entire warranty between Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.
14. This limited warranty allocates the risk of failure of the Product between the Consumer and Nokia. The allocation is recognized by the Consumer and is reflected in the purchase price.
15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following purchase of the Product.

FCC DRAFT

16. Questions concerning this limited warranty may be directed to:
    Nokia Inc.
    Attn: Customer Service
    7725 Woodland Center Blvd., Ste. 150
    Tampa, FL 33614
    Telephone: 1-888-NOKIA-2U (1-888-665-4228)
    Facsimile: (813) 249-9619
    TTY/TDD Users Only: 1-800-24-NOKIA (1-800-246-6542)
17. The limited warranty period for Nokia supplied attachments and accessories is specifically defined within their own warranty cards and packaging.

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

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Safety is the most important call you will ever make.

A Guide to Safe and Responsible Wireless Phone Use

Tens of millions of people in the U.S. today take advantage of the unique combination of convenience, safety and value delivered by the wireless telephone. Quite simply, the wireless phone gives people the powerful ability to communicate by voice—almost anywhere, anytime—with the boss, with a client, with the kids, with emergency personnel or even with the police. Each year, Americans make billions of calls from their wireless phones, and the numbers are rapidly growing.

But an important responsibility accompanies those benefits, one that every wireless phone user must uphold. When driving a car, driving is your first responsibility. A wireless phone can be an invaluable tool, but good judgment must be exercised at all times while driving a motor vehicle—whether on the phone or not.

The basic lessons are ones we all learned as teenagers. Driving requires alertness, caution and courtesy. It requires a heavy dose of basic common sense—keep your head up, keep your eyes on the road, check your mirrors frequently and watch out for other drivers. It requires obeying all traffic signs and signals and staying within the speed limit. It means using seatbelts and requiring other passengers to do the same.

FCC DRAFT

But with wireless phone use, driving safely means a little more. This brochure is a call to wireless phone users everywhere to make safety their first priority when behind the wheel of a car. Wireless telecommunications is keeping us in touch, simplifying our lives, protecting us in emergencies and providing opportunities to help others in need.

When it comes to the use of wireless phones, safety is your most important call.

Wireless Phone "Safety Tips"

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

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

FCC DRAFT

driving, follow this simple tip—dial only a few numbers, check the road and your mirrors, then continue.

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

Careless, distracted individuals and people driving irresponsibly represent a hazard to everyone on the road. Since 1984, the Cellular Telecommunications Industry Association and the wireless industry have conducted educational outreach to inform wireless phone users of their responsibilities as safe drivers and good citizens. As we approach a new century, more and more of us will take advantage of the benefits of wireless telephones. And, as we take to the roads, we all have a responsibility to drive safely.

The wireless industry reminds you to use your phone safely when driving.

For more information, please call 1-888-901-SAFE.
For updates: http://www.wow-com.com/consumer/issues/driving/articles.cfm?ID=85

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Appendix B
Message from the FDA (U.S. Food and Drug Administration) to all users of mobile phones

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Consumer Update on Wireless Phones

U.S. Food and Drug Administration

1. Do wireless phones pose a health hazard?

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

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

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical phones. However, the agency has authority to take action if wireless phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the

FCC DRAFT

manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

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

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

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

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

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

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called cell mobile or PCS phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF)

FCC DRAFT

because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called cordless phones; which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years.

FOR DRAFT

However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop — if they do — may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

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

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with

FCC DRAFT

FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects.

Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques, sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

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

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how

FCC DRAFT

much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

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

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

10.What about children using wireless phones?

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

11.What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has

FCC DRAFT

tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a accompanied hearing aid at the same time. This standard was approved by the IEEE in 2000.FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12.Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones
  http://www.fda.gov/cdrh/phones/index.html
- Federal Communications Commission (FCC) RF Safety Program
  http://www.fcc.gov/oet/rfsafety
- International Commission on Non-Ionizing Radiation Protection
  http://www.icnirp.de
- World Health Organization (WHO) International EMF Project
  http://www.who.int/emf
- National Radiological Protection Board (UK)
  http://www.nrpb.org.uk/

July 18, 2001For updates: http://www.fda.gov/cdrh/phones

FCC DRAFT

FCC DRAFT

Index

NUMERICS

1-touch dialing 29

A

alarm clock 68
antenna 16
anykey answer 54
automate voicemail 44
automatic redial 54
auto-update 61

B

back cover
    removing 16
    replacing 17
banner 59
battery
    authentication 83
    charging 17
    charging times 84
    removing 16
    replacing 17
    talk and standby times 84
business cards 34

C

calculator 72
calendar 69
call duration 49
call forward 65
call log 48
Call settings 53
call timers 49
caller groups 34
    setting up 34
calling cards 55
calls
    answering 21
    in-call options 22
    making 20
care and maintenance 85
certification information (SAR) 88
charger
    connecting 17
    times 84
contact information 28
contact name 28
contacts 27
contacts list
    add 27
    additions 29
    delete 28
    edit 30
    search 27
    settings 29
countdown timer 73
currency converter 73
customer care 10

D

dialed numbers 49
dialing codes 45
display language 57
DTMF tones 58

E

edit
    contact name 28
emergency calls 88
    while using wireless Internet 78
    with keypad locked 58
enhancement settings 62
enhancements 80
ESN 10
exchange rate 73

F

FCC information 88
feature codes 65

G

games 76

FCC DRAFT

H

headset 18
help 10
help text 15, 59

I

indicators and icons 13

K

Keyguard 22
    automatic 58

L

languages 57
lap time 74
location info sharing 53
lock code 62
    change 63
loudspeaker 22

M

message folders 40
messages
    delete 42
    minibrowser messages 47
    picture messages 46
    text messages 36
    voice messages 43
minibrowser 77
minibrowser messages 47
my number 33

N

Network Services 9

O

organizer 68

P

patent information 90
phone lock 62
    numbers allowed 63
phone settings 57
picture frame cover 20
picture messages 46
predictive text 25
profiles 52

Q

quick keys 13

R

restore factory settings 67
restrict calls 64

S

safety 7
    important safety
    information 86
save
    addresses and notes 28
    numbers, text items, details 28
scrolling 15
security settings 62
set
    date 60
    time 60
settings 52
    call 53
shared memory 9
shortcuts 15
split time 74
standby time 84
start screen 13
stopwatch 74

T

talk and standby times 84
talk time 84
technical information 89
text entry 24
text messages 36
time and date settings 60
timed profiles 53
tone settings 53
turn phone off 18
turn phone on 18

FCC DRAFT

V

view
- call duration 49
- call times 49
- data/fax call duration 50
- minibrowser duration 51
- missed calls 48
- picture messages 47
- received calls 48
- saved messages 41

voice commands 61
voice dialing 32
voice messages 43
voice tags 32
- assign a tag 32
- options 33

voicemail 43
- automate 44

voicemail set up 44
volume
- adjusting 22
- using the loudspeaker 22

W

warranty 10
welcome note 58
wireless Internet 77
- disconnect 78
- make an emergency call 78
- receive a call while online 78
- sign on 77

X

Xpress-on covers 18

FCC DRAFT

FCC DRAFT