INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola C210 wireless phone.

Personal Communications Sector
600 North U.S. Highway 45
Libertyville, Illinois 60048

1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States)
1-800-461-4575 (Canada)

www.motorola.com (United States)
www.motorola.ca (Canada)

MOTOROLA, the Stylized M Logo and all other trademarks indicated as such herein are trademarks of Motorola, Inc. ® Reg. U.S. Pat. & Tm. Off. All other product or service names are the property of their respective owners.

© 2003 Motorola, Inc. All rights reserved.

Software Copyright Notice

The Motorola products described in this manual may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Manual number:
Cover number:

DRAFT

Menu Map

Main Menu

- **Message**
  - Text msg
  - Voice msg
- **Phonebook**
  - Find name
  - Find location
  - Find group
  - Status
  - Viewing my number
- **Call Log**
  - Missed
  - Received
  - Dialed
  - Call timer
- **Tone Control**
  - Silent Mode
  - Ring or vibrate
  - Select Ring style
  - Key tone
  - Transmit tones
  - Service tones
  - Earpiece volume
- **Settings**
  - Call
  - Phone
  - Security
  - System
  - Privacy
  - Audio AGC
- **PIMS**
  - Alarm Clock
  - To-Do Lists

DRAFT

DRAFT

Contents

Welcome 1
Menu Map 3
Safety and General Information 8
Getting Started 13
What's in the Box? 13
About This Guide 13
Installing the Battery 14
Charging the Battery 14
Replacing the Battery 16
Battery Use 17
Turning Your Phone On and Off 19
Adjusting Volume 19
Making a Call 20
Answering a Call 20
Viewing Your Phone Number 21
Learning to Use Your Phone 22
Using the Display 22
Using Menus 24
How to Enter Text on Your Phone 25
Locking and Unlocking Your Phone 26
Changing Your Phone's Codes 27
If You Forget a Code 29
Locking and Unlocking the Keypad 29
Setting Up Your Phone 30
Managing Tones 30
Setting Answer Options 31
Adjusting the Backlight 33

DRAFT

Calling Features 34
Redialing a Number 34
Using Automatic Redial 34
Using Caller ID 35
Canceling an Incoming Call 35
Calling an Emergency Number 35
Viewing Recent Calls 36
Returning an Unanswered Call 39
Using Pause Dialing 40
Calling With Speed Dial 42
Calling With 1-Touch Dial 43
Using Voicemail 43
Muting the Phone 45
Using Call Waiting 45
Alphanumeric Messages 47
Sending a Text Message 47
Viewing Outgoing Messages 48
Receiving a Message 50
Viewing Saved Messages 52
Deleting Messages 54
Setting Up Your Phonebook 56
Creating a Phonebook Entry 56
Finding a Phonebook Entry 58
Dialing a Phonebook Entry 60
Editing a Phonebook Entry 61
Checking Phonebook Capacity 61
Personalizing Your Phone 63
Selecting a Ringer Style 63
Setting Keypad Volume 65
Setting Ringer Volume 65
Setting Message Tones 66
Setting Reminders 66

PRELIMINARY

Personalizing Banner Text 67
Setting the Menu Language 67
Resetting All Options 68
Clearing All Stored Information 68
Clearing Selected Information 69
Using Shortcuts 70
Getting More Out Of Your Phone 71
Restricting Calls 71
Using DTMF Tones 71
Using Service Tones 72
Monitoring Phone Use 73
Adjusting System Options 75
Viewing Phone Specifications 77
Selecting Audio AGC 78
PIMS 79
Alarm Clock 79
Managing To-Do Lists 80
Security 83
Activating Voice Privacy 83
Specific Absorption Rate Data 84
Specific Absorption Rate Data 86
Additional Health and Safety Information 88
Product Registration 96
Export Law Assurances 96
Recomendaciones de seguridad para teléfonos celulares 97

DRAFT

Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

DRAFT

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antenna, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at `www.Motorola.com`.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

DRAFT

Aircraft

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

DRAFT

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website: www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas and certified as “Intrinsically Safe.” Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in

DRAFT

areas posted “Turn off electronic devices.” Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

DRAFT

Getting Started

What's in the Box?

Your wireless phone typically comes equipped with a battery and a charger. You can purchase other accessory items can customize to phone for maximum performance and portability.

To purchase Motorola Original™ accessories, contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

About This Guide

This user guide introduces you to your Motorola wireless phone.

Optional Features

This label identifies an optional network or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.

Optional Accessories

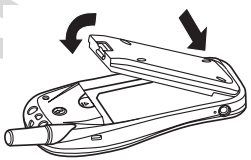
This label identifies a feature that requires an optional Motorola Original™ accessory.

DRAFT

Installing the Battery

You must install and charge the battery to use your phone.

Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

	Action
1	Remove the new battery from its protective clear plastic case.
2	Insert the battery into the lower groove at the back of the phone.
3	Push the battery down until it clicks into place. 

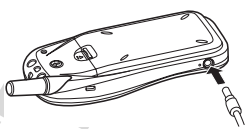
DRAFT

Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

Note: When a charger is not in use, disconnect it from the power source.

	Action
1	Turn the phone on (by pressing and holding ⏻) before you begin to charge the battery. **Note:** If the battery is completely discharged, the phone may not turn on. If this happens, turn the phone on after you connect the adapter.
2	Plug the travel charger into the appropriate electrical outlet.
3	Plug the other end of the travel charger into your phone, as shown. **Note:** If the battery is not installed properly, the phone displays **Charging Impossible**.
4	When your phone indicates that it is fully charged (**Charge Completed**), remove the charger.



Notes:

- When you charge the battery, the battery level indicator blinks and the phone displays **Charging**.
- Charging stops if you place or receive a call. However, if the battery isn't sufficiently charged, the keypad will not function. The phone operates only if the battery is charged enough to use the keypad.
- If you charge the battery completely, but the phone does not operate longer than 30 minutes and displays

DRAFT

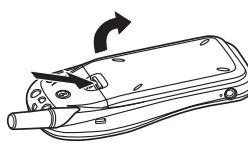
Replace Battery, the battery no longer works and must be replaced.

- You can turn off the phone while charging the battery (by pressing and holding ⏻). You will see **Powering Off**, followed by **Charging Power Up**, and then **Charging**. When the battery is fully charged, you will see **Charge Completed**. (If you removed the adapter before charging is completed, the phone turns off.)

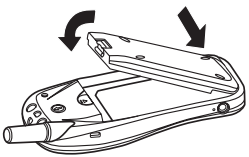
Replacing the Battery

Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

DRAFT

	Action
1	Turn off the phone (by pressing and holding ⏻) before removing the old battery.
2	While pressing the battery release tab, push the battery toward the end of the phone. Then lift the battery off the phone. 
3	Insert the replacement battery into the lower groove at the back of the phone.

	Action
4	Push the battery down until it clicks into place.



Battery Use

Battery performance depends on many factors, including your wireless carrier's network configuration; signal strength; the temperature at which you operate your phone; the features and/or settings you select and use; and your voice, data, and other application usage patterns.

If not used, a fully charged battery will discharge itself over time. This is normal.

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize your battery's performance:

- Always use Motorola Original™ batteries and chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and chargers.
- New batteries or batteries that have been stored for long periods of time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.

DRAFT

- Do not expose to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.

- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry location, such as a refrigerator.
- Over extended periods, batteries gradually wear down and require longer charging times. This is normal. If you charge a battery regularly and notice a decrease in talk time or an increase in charging time, it is probably time to purchase a new battery.
- Do not leave a battery connected to a charger for longer than a week, because overcharging may shorten its life.

The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Never dispose of batteries in a fire, because they may explode. Contact your local recycling center for proper disposal methods. Refer to your battery's label for battery type.

DRAFT

Turning Your Phone On and Off

	Action
1	Press and hold (the Power/End key) for more than 1 second.
2	If necessary, enter your four-digit unlock code and press to unlock your phone. **Note:** The unlock code is originally set to 1234. (For more information, see xx.)
3	To turn off your phone, press and hold (the Power/End key) for more than 2 seconds.

At startup, your phone number appears on the display briefly, followed by a personal greeting message and the day of the week, month, date, and time. You can change the personal greeting message. See xx.

Adjusting Volume

Press the scroll key up and down to:

- Increase and decrease earpiece volume during a call

  You can also adjust earpiece volume by pressing MENU 4 GHI 7 PQRS, pressing up or down, and pressing OK.
- Increase and decrease the ringer volume setting when the idle display is visible

DRAFT

Making a Call

Do not block the antenna while you are on a call.

	Press	To
1	keypad keys	dial the phone number **Tip:** If you make a mistake, press ⌫ to delete the last digit, or press and hold ⌫ to clear all digits.
2	📞	make the call
3	📴	end the call and "hang up" the phone when you are finished

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

	Press	To
1	📞	answer the call
2	📴	end the call and "hang up" the phone when you are finished

Note: If the phone is locked, you must unlock it to answer the call.

DRAFT

Viewing Your Phone Number

	Action
1	Press MENU 2 ABC 5 JKL.
2	Press ⌀ to exit.

DRAFT

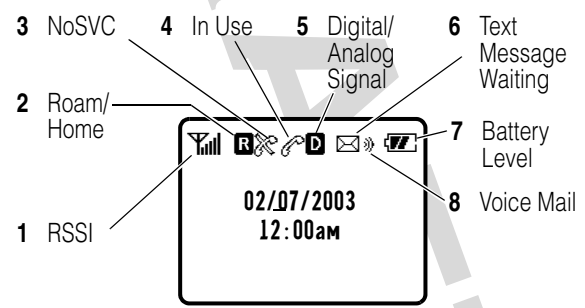
Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *idle display* is the standard display you see when you are *not* on a call or using the menu. You must be in the idle display to dial a phone number.

Status indicators are grouped at the top of the display:



1 RSSI: Signal Strength Indicator Shows the strength of the network connection.

2 Roam/Home Indicator Lights up when your phone accesses another network system outside your home network.

3 NoSVC Indicator Indicates that no calls can be placed or received from your location.

4 In Use Indicator Shows that a call is in progress.

5 Digital/Analog Signal Indicator Lights up when you are in a digital coverage area. Unlit when you are receiving a analog signal.

6 Text Message Waiting Indicator Displays when you receive a text message.

7 Battery Level Indicator Vertical bars show the battery charge level. Recharge the battery when you see **Low Battery** and hear the low battery alert.

8 Voice Mail Indicator Displays when you receive a voicemail message.

DRAFT

Using Menus

From the idle display, press MENU to go to the main menu.

Selecting a Menu Feature

- Press ⊙ to scroll up or down to highlight the item you want, then press OK.

  or

- Press the number key that matches the item you want.

How to Enter Text on Your Phone

- Enter numbers or text with the keypad.
- Press a key as many times as necessary to enter a letter. With each press, the next letter on the key appears. (See the character chart below.)
- The first character of every sentence is capitalized. Press ⊖ down to change the character to lowercase while it is highlighted by the cursor.
- If you do not press a key for 2 seconds, the character at the cursor is accepted, and the cursor moves to the next position.
- Press the ⊖ (left) or ⊖ (right) key to move the cursor left or right.
- Press 1 to scroll through available punctuation marks.
- To delete the character before the cursor, press C. You can then insert any new characters you require. To delete all the text, press and hold C.

Character Chart

Use this chart as a guide for entering characters.

1	*space* . 1 @ ! , & : ; ( ) ‘ ¿ ¡ % £ $ _
2 ABC	A B C 2 À Ã Á Â Ç
3 DEF	D E F 3 É È Ê
4 GHI	G H I 4 Í
5 JKL	J K L 5
6 MNO	M N O 6 Ñ Ò Õ Ó Ô

DRAFT

7 PQRS	P Q R S 7
8 TUV	T U V 8 Ù Ú Ü
9 WXYZ	W X Y Z 9
0 OPER	+ - 0 * / = > < # § [ ]
*	*

Note: This chart may not reflect the exact character set available on your phone.

Locking and Unlocking Your Phone

You can lock your phone immediately or set the phone to lock automatically whenever you turn it off. When the phone is locked, the 🔒 indicator appears in the lower left of the display.

To use a locked phone, you must enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer.*

You can make emergency calls even when your phone is locked. For more information, see page 35.

Locking Your Phone Now

Action
Press MENU 5 JKL 4 GHI 2 ABC 1 1.

DRAFT

Unlocking Your Phone

Tip: Your phone's unlock code is originally set to 1234 at the factory. Many service providers reset the unlock code to the last 4 digits of your phone number.

When prompted to enter the unlock code:

	Press	To
1	keypad keys	enter your unlock code
2		unlock your phone

Setting Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off.

	Press	To
1	MENU 5 JKL 4 GHI 2 ABC 1 2 ABC	select **Auto Lock**
2	(up or down) **or** (left) or (right)	select **On** or **Off**
3		confirm your selection
4		return to the previous menu

Changing Your Phone's Codes

Your phone's 4-digit unlock code is factory set to 1234. The 5-digit security code is factory set to 12345. Your

DRAFT

service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, you should change them to prevent other users from accessing your personal information.

Changing Your Lock Code

To change the 4-digit lock code:

	Press	To
1	MENU 5 JKL 3 DEF 2 ABC 2 ABC	select **Chg lock**
2	keypad keys	enter a new 4-digit lock code
3	OK	change the lock code
4	BACK	return to the previous menu

Changing Your Security Code

To change the 5-digit security code:

	Press	To
1	MENU 5 JKL 3 DEF 2 ABC 3 DEF	select **Chg Secure**
2	keypad keys	enter a new 5-digit lock code
3	OK	change the lock code
4	BACK	return to the previous menu

DRAFT

If You Forget a Code

If you forget your security code, contact your service provider.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number.

Locking and Unlocking the Keypad

You can lock the keypad to prevent accidental key presses (for example, when carrying your phone in a purse or pocket).

- To lock the keypad, press and hold * until you see **Keyguard is on**.

  When the keypad is locked, the 🔒 indicator appears in the lower left of the display.

- To unlock the keypad, press MENU * until you see **Keyguard is off**.

Note: Incoming calls and messages unlock the keypad.

DRAFT

Setting Up Your Phone

Managing Tones

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an *alert*.

You can select one of these alert types:

= vibrate	= vibrate and ring
= silent	ring only

The alert type indicator in the display shows the current alert type.

Selecting Silent Mode

When you select Silent Mode, all tones are silenced. Your phone will vibrate when you receive an incoming call or an incoming message.

	Press	To
1	MENU 4 GHI 7	select SilentMode
2	(up or down) or (left) or (right)	select On or Off
3		confirm your selection
4		return to the previous menu

DRAFT

Selecting Ringer or Vibrator

	Press	To
1	MENU 4 GHI 2 ABC	select **Ringer/Vib**
2	↕ (up or down) or ◄ (left) or ► (right)	scroll to one of these selections: • **Ring only**—when you receive a call, phone rings and its light flashes • **Vib only**—when you receive a call, phone vibrates and it light flashes • **Vib->Ring**—when you receive a call, phone vibrates for 2 cycles, then rings
3	OK	confirm your selection
4	C	return to the previous menu

Setting Answer Options

You can use different methods to answer an incoming call.

DRAFT

Selecting Any Key Answer

With Any Key Answer set to **On**, you can answer an incoming call by pressing any key except .

	Press	To
1	MENU 5 JKL 1 2 ABC	select **AnyKey Ans**
2	(up or down) or (left) or (right)	select **On** or **Off**
3		confirm your selection
4		return to the previous menu

Setting Auto Answer

When you set Auto Answer to **On**, your phone automatically answers incoming calls after 2 rings.

	Press	To
1	MENU 5 JKL 1 3 DEF	select **Auto Ans**
2	(up or down) or (left) or (right)	select **On** or **Off**
3		confirm your selection
4		return to the previous menu

Note: It is recommended that you use this feature only with vehicle hands free accessories or a headset, and with your phone's ringer turned on. Otherwise, your phone can answer calls in your absence.

DRAFT

Adjusting the Backlight

You can set the amount of time that the phone's backlights remain on, or turn off backlights completely to extend battery life.

	Press	To
1	MENU 5 JKL 2 ABC 3 DEF	select **Lights**
2	⊙ (up or down) or ◁ (left) or # ▷ (right)	select **Off**, **15 secs**, **30 secs**, or **On** (If you select **On**, the backlights are illuminated whenever the phone is powered on.)
3	OK	confirm your selection
4	↩	return to the previous menu

Note: The backlights are always illuminated when the phone is connected to an external power supply such as a charger or vehicle accessory.

DRAFT

Calling Features

For basic instructions on how to make and answer calls, see page 20.

Redialing a Number

When you hear an ordinary busy signal:

	Press	To
1		hang up
2	,	redial the number

Using Automatic Redial

With automatic redial, your phone automatically redials a number for the next 4 minutes if it receives a fast busy signal. When the call goes through, your phone plays a ring-back tone until the other party answers your call.

To turn automatic redial on or off:

	Press	To
1	MENU 5 JKL 1 1	select **AutoRedial**
2	(up or down)	select **On** or **Off**
	or	
	(left) or (right)	

DRAFT

	Press	To
3		confirm your selection
4		return to the previous menu

Using Caller ID

If *Calling line identification* (caller ID) is active on your phone, the phone displays the phone numbers of incoming calls. The caller's name is also displayed if it is stored in your phonebook.

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
	cancel the incoming call

The call is stored to your unanswered call list.

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked.

Your phone may include the capability to provide automatic location information to the wireless network and public safety agencies when you call the emergency phone number.

DRAFT

Please contact your service provider for information about the automatic location capability of your phone and their network.

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

	Press	To
1	keypad keys	dial the emergency number
2		call the emergency number

Viewing Recent Calls

Your phone's Call Log keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new ones are added.

Viewing Missed Calls

You can view a list of the last 10 incoming calls that you did not answer.

DRAFT

Note: This function must be supported by Caller ID.

	Press	To
1	MENU 3 DEF 1	view the list of missed incoming calls If no missed numbers are found, you see **No missed numbers**.
2	↕ (up or down) **or** ◁ (left) or ▷ (right)	scroll through the list of missed calls Your phone shows the time and date each call was received, along with the number.
3	☎ **or** SAVE **or** CLR, then ↕ (to select **Yes**) and OK	call the currently displayed number store the number erase the number
4	BACK	return to the previous menu

Viewing Received Calls

You can view a list of the last 10 incoming calls that you accepted.

DRAFT

Note: This function must be supported by Caller ID.

	Press	To
1	MENU 3 DEF 2 ABC	view the list of received calls If no missed numbers are found, you see **No received numbers**.
2	↕ (up or down) **or** * (left) or # (right)	scroll through the list of received calls Your phone shows the time and date each call was received, along with the number.
3	☎ **or** Save **or** Clear, then ↕ (to select **Yes**) and OK	call the currently displayed number store the number erase the number
4	Back	return to the previous menu

DRAFT

Viewing Dialed Calls

You can view a list of the last 10 phone numbers that you called, successfully or not.

	Press	To
1	MENU 3 DEF 3 DEF	view the last number you dialed If no numbers are found, you see **No dialed numbers**.
2	⊙ (up or down) **or** * (left) or # (right)	scroll through the list of dialed numbers Your phone shows the time and date each number was dialed, along with the number.
3	✆ **or** Save	call the currently displayed number store the number
4	⏎	return to the previous menu

Shortcut: From the idle display, press ✆ to view the last number you dialed. You can then proceed as indicated in the above procedure, beginning with step 2.

Returning an Unanswered Call

Your phone keeps a record of incoming calls that you do not answer. When you miss incoming calls, your phone

DRAFT

displays **Missed Call: XX 11:10AM**, where **XX** is the number of missed calls.

	Press	To
1	⊙ (up or down)	view the missed incoming calls
2	any key	clear the display

Using Pause Dialing

When you call automated systems such as voice mail or bank-by-phone, you are frequently prompted to enter an identification number (such as a PIN or account number) before you can proceed.

Pause dialing can make it easier to use these automated systems. In one memory location on your phone, you can store:

- the phone number to access the automated system
- any required PIN numbers or similar security codes
- special characters—*pauses*—wherever appropriate between sets of numbers, that tell your phone to wait before sending the next set of numbers

DRAFT

Storing a Number with Pauses

Note: Repeat steps 2 and 3 as many times as necessary.

	Press	To
1	keypad keys	enter the phone number you dial to call the automated system
2	⊙ (up)	insert the pause character
3	keypad keys	enter the next group of numbers (for example, a required PIN number) **Note:** If the system requires a * or #, enter those symbols too.
4	⊟	complete the entry
5	keypad keys	enter a 2-digit location
6	⊟	save the location number
7	keypad keys	enter a name for the entry **Note:** See "How to Enter Text on Your Phone" on page 25 for instructions on entering text.
8	⊟	save the name
9	⊙ (up or down)	view the desired number type
10	⊟	select the number type and store the entry
11	↩	return to the previous menu

DRAFT

Calling a Pause Dialing Number

Note: Repeat step 3 at each pause as necessary.

	Press	To
1	keypad keys	enter the 2-digit memory location of the desired Pause Dialing number
2		call the phone number Your phone dials the number, then waits for your entry when it reaches the first pause.
3		end the call

Calling With Speed Dial

Each entry you store in your phonebook is assigned a unique *speed dial* number, a 2-digit number from 10 to 99. This number identifies the memory location where the entry is stored. To speed dial a phonebook entry:

	Press	To
1	keypad keys	enter the speed dial number for the entry you want to call
2		call the entry

Shortcut: Enter the 1st digit of the memory location, then press and hold the 2nd digit. The phone calls the entry for that location.

DRAFT

Note: If the stored number you select matches a number on the restrict outgoing calls list, you will see **Outgoing restricted!** and the phone will return to idle mode without completing the call.

Calling With 1-Touch Dial

To call phonebook entries 1 through 9, just press and hold the one-digit speed dial number for 1 second. The call is placed even if the number is restricted.

Using Voicemail

Voicemail messages that you receive are stored on the network. To listen to your messages, you must call your voicemail phone number.

Note: Your service provider may include additional information about using this feature.

When you receive a voicemail message, your phone beeps or vibrates and displays the ✉ (voice message waiting) indicator.

Listening to Voicemail Messages

To call the voicemail access number:

Action
Enter the digits of the number and press ⌐.
or
Press and hold 1.

DRAFT

The phone calls your voicemail phone number. If no voicemail number is stored, your phone prompts you to store one.

Viewing the List of Voicemail Messages

Action
Press MENU 1 2 ABC 1.
Your phone lists: • number of new messages • number of total messages • time and date received each message was received, as well as a call back number (if included) If the call back number matches a number in a phonebook entry, the entry name is displayed.

To retrieve the messages, press or . Your phone calls the voicemail access number.

DRAFT

Storing Your Voicemail Number

If necessary, use the following procedure to store your voicemail access number on your phone. Usually, your service provider has already done this for you.

	Press	To
1	MENU 1 2 ABC 2 ABC	view the voicemail access number
2		store the number that is displayed
	or	
	keypad keys, then	enter and store a new number

Muting the Phone

To mute your phone during a call, press MENU 1.

Press MENU 1 again to resume normal conversation.

Using Call Waiting

When you are on a call, an alert tone sounds to indicate that you have received a second call.

DRAFT

Action
Press to answer the new call and automatically place the current call on hold. Press again to switch back to the first call. **or** Press to end the current call. Your phone will then ring as usual. Press to answer the call.

DRAFT

Alphanumeric Messages

You can send text messages and receive alphanumeric messages (text messages or alphanumeric pages) with your wireless phone.

Sending a Text Message

To send a text message:

	Action
1	Press MENU 1 1 1 to begin writing or editing a message.
2	Enter the message contents, and press OK. (See "How to Enter Text on Your Phone" on page 25 for instructions on entering text.)
3	Scroll to **Yes** (if you want to store the message to Saved message memory) or **No**, and press OK.
4	Enter the destination phone number, and press OK.
5	Enter a call back number and press OK. **or** Press OK. (Your number is automatically entered as the call back number.)
6	Scroll to the desired priority level and press OK.

DRAFT

	Action
7	Press to send the message. If the message is not sent successfully, you will see **Resend?**. Press (up or down) or (left) or (right) to select **Yes** or **No**, and press .
8	When you see **Store?**, scroll to **Yes** (to store the message in the outbox) or **No**, and press .

Viewing Outgoing Messages

Text messages that you send are stored in the outbox.The outbox can store up to 20 messages, depending on the size of each message. Outbox messages are sorted from newest to oldest.

To view outbox messages:

	Action
1	Press MENU 1 1 3 to view a list of headers for outgoing messages.
2	Press (up or down) or (left) or (right) to scroll through the list of message headers. • ▸ indicates the currently selected message • √ indicates a read message • # indicates a protected message

DRAFT

	Action
3	To select a message and view its contents, press OK. Press Navigation Key (up or down) or * (left) or # (right) to scroll through the message text. Press Back to return to the list of message headers. **or** To delete a message, press Delete, scroll to **Yes**, and press OK. **or** To lock a message, press Lock, scroll to **Yes**, and press OK. (A locked message cannot be deleted until you unlock it.) **or** To call the call back number in a text message, press Send 1. If the call back number matches a number on the restrict outgoing calls list, you see **Outgoing Restricted!**, and the call is not placed. **or** To send a message to the call back number in a text message, press Send 2 ABC. Edit the received message as desired, and press OK to send it. (See "How to Enter Text on Your Phone" on page 25.)

DRAFT

Receiving a Message

When you receive a message, your phone:

- beeps or vibrates
- displays the ✉ (message waiting) indicator
- displays **Message!** (for a text message) or **Page!** (for an alphanumeric page)
- displays the message priority (if urgent or emergency)
- displays a call back number, if included

  If the received call back number matches the number of a phonebook entry, the name for that entry is displayed instead of the call back number.

Incoming messages are stored in the inbox.The inbox can store up to 20 messages, depending on the size of each message. Messages in the inbox are sorted from newest to oldest.

To view inbox messages:

	Action
1	Press MENU 1 1 2 ABC to view a list of headers for received messages.

DRAFT

	Action
2	Press ⊙ (up or down) or ⊙ (left) or ⊙ (right) to scroll through the list of message headers. • ▸ indicates the currently selected message • √ indicates a read message • # indicates a protected message
3	To select a message and view its contents, press ⊙. Press ⊙ (up or down) or ⊙ (left) or ⊙ (right) to scroll through the message text. Press ⊙ to return to the list of message headers. **or** To delete a message, press ⊙, scroll to **Yes**, and press ⊙. **or** To lock a message, press ⊙, scroll to **Yes**, and press ⊙. (A locked message cannot be deleted until you unlock it.) **or** To call the call back number in a text message, press ⊙ 1. **or** To send a message to the call back number in a text message, press ⊙ 2 ABC. Edit the received message as desired, and press ⊙ to send it. (See "How to Enter Text on Your Phone" on page 25.)

DRAFT

Viewing Saved Messages

Your phone stores up to 20 messages, depending on the size of each message.

To view outgoing messages:

	Action
1	Press MENU 1 1 4 GHI to view a list of headers for outgoing messages.
2	Press ⊙ (up or down) or ⊙ (left) or ⊙ (right) to scroll through the list of message headers. • ▸ indicates the currently selected message • √ indicates a read message • # indicates a protected message

DRAFT

	Action
3	To select a message and view its contents, press . Press (up or down) or (left) or (right) to scroll through the message text. Press to return to the list of message headers. **or** To delete a message, press , scroll to **Yes**, and press . **or** To lock a message, press , scroll to **Yes**, and press . (A locked message cannot be deleted until you unlock it.) **or** To send the message: **a** Press . **b** Edit the message as desired, then press . (See "How to Enter Text on Your Phone" on page 25.) **c** Enter the destination phone number, and press . **d** Enter a call back number and press . **or** Press . (Your number is automatically entered as the call back number.)

DRAFT

Action	
e Scroll to the desired priority level and press OK.	
f Press SEND to send the message. If the message is not sent successfully, you will see **Resend?**. Press Navigation Key (up or down) or * (left) or # (right) to select **Yes** or **No**, and press OK.	
4 Press END to exit.	

Deleting Messages

You can delete individual messages or all messages at once. However, locked messages cannot be deleted until you unlock them.

You can delete individual messages while viewing message headers.

DRAFT

To delete all messages; or to delete all read messages, all inbox messages, all outbox messages, or all save messages:

	Press	To
1	MENU 1 1 5 JKL	select the delete messages option
2	1	select all read messages
	or	
	2 ABC	select all inbox messages
	or	
	3 DEF	select all outbox messages
	or	
	4 GHI	select all saved messages
	or	
	5 JKL	select all messages
3	(up or down) or (left) or # (right)	scroll to **Yes** or **No**
4		confirm your selection
5		return to the previous menu

DRAFT

Setting Up Your Phonebook

You can store a list of names and phone numbers in your phone's electronic phonebook. Each memory location from 01 through 99 can store three numbers and names. For a single contact, you can store multiple numbers—for home, office, mobile, and so on.

Creating a Phonebook Entry

To create an entry:

	Action
1	Enter the phone number you want to store, then press . You can store up to 32 digits per phone number entry.
2	Press to store the number in the displayed location. **or** Enter a new 2-digit location and press . **or** Press to erase the displayed location, then enter a new one and press . **or** Scroll to an available location and press .
3	Enter a name for the entry and press .

DRAFT

	Action
4	Select the number type (home, mobile, office) and press ⊖. If a number is already stored for the type you select, you see **This numtype is used**, followed by **Overwrite?**. To leave the number unchanged, scroll to **No** and press ⊖. **or** To change the number: **a** Scroll to **Yes** and press ⊖. **b** Edit the number, then press ⊖.
5	Select the group (Family, Friends, Colleagues, VIP, Other) and press ⊖.
6	When you see **Another num?**: • Scroll to **No** and press ⊖. **or** • Scroll to **Yes** and press ⊖. Enter the number type and the next number, as instructed.

DRAFT

	Action
7	If you see **Duplicate Name** or **Duplicate Number** the number or name is the same as one already stored. When prompted to **Store?**: • Scroll to **Yes** and press to store the same name and number. **or** • Scroll to **No** and press to exit without storing the entry.

Finding a Phonebook Entry

You can locate a phonebook entry by the name stored with that entry or by the entry's location number (01 through 99).

Finding by Name

	Action
1	Press MENU 2 ABC 1. Your phone displays the first entry in the phone book (sorted alphabetically).
2	Scroll to the name of the entry you want. **or** Press the key with the first letter of the name you want. (If no entry beginning with that letter is found, you see **No *x*'s in memory**, where *x* is the letter you entered.)

DRAFT

	Action
3	Press ⊖ to select the displayed name and number. **or** Press ⊛ or # to scroll to another number (for example, for office or mobile) for the same entry.

Finding by Location

	Action
1	Press MENU 2 ABC 2 ABC.
2	Enter the 2-digit memory location of the entry you want, and press ⊖. Your phone displays the name, phone number, and number type for the entry at that location.
3	Scroll to the name of the entry you want. **or** Press the key with the first letter of the name you want. (If no entry beginning with that letter is found, you see **No *x*'s in memory**, where *x* is the letter.)
4	Press ⊖ to select the displayed name and number. **or** Press ⊛ or # to scroll to another number (for example, for office or mobile) stored in the same location for the name selected.

DRAFT

Finding by Group

	Action
1	Press MENU 2 ABC 3 DEF.
2	Scroll to the desired group and press the OK key. Your phone displays the first entry for that group (sorted alphabetically). **or** Press the key with the first letter of the name you want. You phone displays that name in the appropriate group, sorted alphabetically. (If no entry beginning with that letter is found, you see **No *x*'s in memory**, where *x* is the letter you entered.)
3	Press the OK key to select the displayed name and number. **or** Press * or # to scroll to another number (for example, for office or mobile) stored in the same location for the name selected.

Dialing a Phonebook Entry

To call a number stored in your phonebook:

	Action
1	Retrieve the desired number. (See "Finding a Phonebook Entry" on page 58.)
2	Press the Send key to call the number.

DRAFT

Editing a Phonebook Entry

	Action
1	Retrieve the desired number. (See "Finding a Phonebook Entry" on page 58.)
2	Press ⊖ to begin editing.
3	Erase, modify the number, of modify the name, as desired: • If you select **Erase**, all numbers for that location are erased. • If you select **Modify Num**, press ⊘ to erase the number displayed, enter the new number, and press ⊖. • If you select **Modify Name**, press ⊘ to erase the name displayed, enter the new name, and press ⊖. • If you select **ChangeGroup**, press ⊙ (up or down) to select the new group, then press ⊖.
4	Press ⏻ to exit.

Checking Phonebook Capacity

You can see how much memory space remains for storing

DRAFT

phonebook entries on your phone.

	Action
1	Press MENU 2 ABC 5 JKL. Your phone displays the number of memory locations in use and the number remaining.
2	Press ⌀ to exit.

DRAFT

Personalizing Your Phone

Selecting a Ringer Style

You can select the style of ringer your phone uses to alert you to incoming calls. Your phone includes 14 predefined ringer styles, and you can also download ringer styles using the **My Bell** function.

Selecting a Predefined Style

	Press	To
1	MENU 4 GHI 3 DEF 1	select **Predefined**
2	(up or down)	scroll through the styles to the one you want As you scroll, your phone plays a sample of the currently displayed style.
3	OK	select the style
4	C	exit to the previous menu

DRAFT

Downloading Ringer Tones

You can download up to 15 ringer tones over the network.

	Press	To
1	MENU 4 GHI 3 DEF 2 ABC	select **My Bell**
2	⊙ (up or down)	scroll through the styles to the one you want As you scroll, your phone plays a sample of the currently displayed style. If you press 0 oper, the phone displays **Call xxxxx or go to http://www.xxxxx.com to get a new ring tone**. Your phone also displays the number of available locations for new tones.
3	⊙	select the style
4	⊙	exit to the previous menu

To erase a downloaded tone:

	Press	To
1	MENU 4 GHI 3 DEF 2 ABC	select **My Bell**
2	⊙ (up or down)	scroll through the styles to the one you want
3	⊙	erase the tone

DRAFT

	Press	To
4	(up or down)	select Yes or No
5		confirm your choice and exit to the previous menu

Setting Keypad Volume

You can adjust the volume of the tones you hear when you press your phone's keys.

	Press	To
1	MENU 4 GHI 4 GHI	select Key tone
2	(up or down)	select the desired volume (from silent to level 5)
3		confirm your selection
4		exit to the previous menu

Setting Ringer Volume

You can adjust the volume of your phone's ringer.

	Press	To
1	MENU 4 GHI 8 TUV	select Ringer Vol
2	(up or down)	select the desired volume (from silent to level 5)
3		confirm your selection
4		exit to the previous menu

DRAFT

Setting Message Tones

When you receive a new voicemail or alphanumeric message, your phone beeps three times. You can change the number of beeps or turn them off completely.

	Press	To
1	MENU 4 GHI 9 WXYZ	select message tones
2	1	select text message tones
	or	
	2 ABC	select voicemail message tones
3		scroll to the desired setting
4		select the displayed option
5		exit to the previous menu

Setting Reminders

A reminder is an alert that rings or vibrates at regular intervals to notify you about a received voicemail or text message.

	Press	To
1	MENU 4 GHI 0 OPER	select reminder alerts
2		scroll to **Remind once**, **Every 2 min**, or **Release**
3		select the displayed option
4		exit to the previous menu

DRAFT

Personalizing Banner Text

You can enter or change the message banner that the phone displays when it is idle. The banner can include up to 12 characters.

	Press	To
1	MENU 5 JKL 2 ABC 2 ABC	go to the banner entry area
2	keypad keys **or** #	enter the new banner (if no banner already exists) begin editing an existing banner
3	OK	save the new/modified banner
4	C	exit to the previous menu

Setting the Menu Language

Set the language in which menu features and options are displayed.

	Press	To
1	MENU 5 JKL 2 ABC 1	view **Language**
2	↑↓ (up or down) or * (left) or # (right)	select one of the available languages
3	OK	confirm your selection
4	C	exit to the previous menu

DRAFT

Resetting All Options

Use Master Reset to reset all options to their original factory settings, *except* for the unlock code, security code, and lifetime timer.

	Action
1	Press MENU 5 JKL 3 DEF 2 ABC.
2	When prompted, enter the 6-digit security code, then press 4 GHI 1.
3	Scroll to **Yes** or **No** and press OK.
4	Press C to exit.

Clearing All Stored Information

User Master Clear to reset all options to their original factory settings (*except* for the unlock code, security code, and lifetime timer) AND to clear all settings and entries that you have made.

Caution: Master Clear **erases all user-entered information** stored in your phone's memory, including phonebook and messaging entries. Once you erase the information, it cannot be recovered.

	Action
1	Press MENU 5 JKL 3 DEF 2 ABC.
2	When prompted, enter the 6-digit security code, then press 4 GHI 2 ABC.
3	Scroll to **Yes** or **No** and press OK.
4	Press C to exit.

DRAFT

Clearing Selected Information

You can selectively erase the following:

- all stored Call lists (except the lifetime timer)
- all stored phonebook information
- all stored to-do lists
- all stored messages

	Action
1	Press MENU 5 3 3.
2	Press the appropriate key for the list that you want to delete.: 1—Call lists 2—Phonebook 3—to-do list 4—stored messages
3	Scroll to **Yes** or **No** and press OK.
4	Press END to exit.

DRAFT

Using Shortcuts

Your phone includes several standard key shortcuts. You cannot edit or delete these shortcuts.

Key Combination	Shortcut
MENU 1	Select the main menu.
MENU 2 ABC	Switch to Analog Only mode. (You can force the phone to switch to Analog Only Mode if it is operating in Digital Mode.)
MENU 3 DEF	Access the messaging menu.
MENU 4 GHI	Show the battery charge level.
MENU 5 JKL	Lock the keypad.
MENU 6 MNO	Mute the phone.
MENU 8 TUV	Access the ring option menu. You can then switch the ring mode among **Ring Only**, **Vibrate Only**, and **Vibrate then Ring**.

DRAFT

Getting More Out Of Your Phone

Restricting Calls

You can restrict outgoing or incoming calls.

	Press	To
1	MENU 5 JKL 3 DEF 1	select the restrict calls option
2	keypad keys	enter the 5-digit security code
3	1	select **Outgoing**
	2 ABC	select **Incoming**
4	⌃ (up or down) or * (left) or # (right)	select **Yes** or **No**
5	OK	confirm your selection
6	⌫	exit to the previous menu

Using DTMF Tones

You can send numbers to the network as *dual tone multi-frequency* (DTMF) tones during a call. Use DTMF tones to communicate with automated systems that

DRAFT

require you to submit a PIN code (such as voice mail or bank-by-phone).

You can set DTMF tones to **Long or Short**:

- **Short** sends a short fixed-duration tone for each keypress. Short DTMF tones work with most automated systems.
- **Long** sends each tone for as long as you press the key. Some systems (such as home answering machines) require long tones for proper activation.

	Press	To
1	MENU 4 GHI 5 JKL	select **DTMF select**
2	(up or down) or (left) or (right)	select **Long** or **Short**
3		confirm your selection
4		exit to the previous menu

Using Service Tones

When Service Tones are set to **On**, you are instantly alerted to any change in your wireless service. You hear two short beeps whenever your phone:

- begins to roam
- returns to a home system after roaming
- drops service
- locates service

DRAFT

Note: Your phone always beeps when a call is dropped.

	Press	To
1	MENU 4 GHI 6 MNO	select Service tone
2	(up or down) or * (left) or # (right)	select On or Off
3	OK	confirm your selection
4		exit to the previous menu

Monitoring Phone Use

You can view the duration of incoming and outgoing calls by hour, minute, and second.

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing . This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

DRAFT

View and Reset Call Timers

Network / Subscription Dependent Feature

To view a call timer:

	Press	To
1	MENU 3 DEF 4 GHI	select the list of call timers
2	1	select and view **Last**—approximate time spent on the last dialed or received call. You cannot reset this timer
	or	
	2 ABC	select and view **Resettable**—total number of dialed calls and the total time of those calls
	or	
	3 DEF	select and view **Life timer**—total air-time since your phone was activated
3		exit to the previous menu

To reset the call timer:

	Press	To
1	MENU 3 DEF 4 GHI	select the list of call timers
2	2 ABC	select **Resettable**
3		select to reset

DRAFT

	Press	To
4	⊙ (up or down) or ⊙ (left) or ⊙ (right)	scroll to **Yes** or **No**
5	⊙	exit to the previous menu

Adjusting System Options

Selecting a System

You can select your phone's system according to the system channel.

	Press	To
1	MENU 5 JKL 4 GHI 1	access the system selection option
2	⊙ (up or down) or ⊙ (left) or ⊙ (right)	scroll to: • **Automatic** • **Analog only** (phone will not operate outside its home system) • **CDMA only**
3	OK	confirm your selection
4	⊙	exit to the previous menu

Configuring the System Mode

Your service provider configures the System Mode when you receive your phone. You may decide to switch to

DRAFT

another mode to improve calling conditions, network coverage, or roaming conditions.

	Press	To
1	MENU 5 JKL 4 GHI 2 ABC	access the system mode option
2	⊙ (up or down) or * (left) or # (right)	scroll to: • **Standard**—Your phone 1st seeks a home-type system, then a non-home-type system. • **Home Only**—Phone will not operate outside its home system.
3	OK	confirm your selection
4	BACK	exit to the previous menu

Selecting a Voice Service Option

Your phone supports 3 different voice service options.

	Press	To
1	MENU 5 JKL 4 GHI 3 DEF	access the Vocoder option
2	⊙ (up or down) or * (left) or # (right)	scroll to **EVRC on**, **QCELP**
3	OK	confirm your selection
4	BACK	exit to the previous menu

DRAFT

Viewing Phone Specifications

Displaying the System ID

You can view the number that identifies the wireless system your phone is accessing.

	Press	To
1	MENU 5 JKL 4 GHI 4 GHI	view the system ID number
2	BACK	exit to the previous menu

Displaying Your Phone's Software Version

You can view the version of software used by your phone. Service personnel may ask you for this information if you require technical assistance.

	Press	To
1	MENU 5 JKL 4 GHI 5 JKL	view the software version
2	BACK	exit to the previous menu

Displaying Your Phone's PRL Version

You can view your phone's PRL version. Service personnel may ask you for this information if you require technical assistance.

	Press	To
1	MENU 5 JKL 4 GHI 6 MNO	view the PRL version
2	BACK	exit to the previous menu

DRAFT

Selecting Audio AGC

	Press	To
1	MENU 5 JKL 6 MNO	select **Audio AGC**
2	(up or down) or * (left) or # (right)	scroll to **On** or **Off**
3		confirm your selection
4		exit to the previous menu

DRAFT

PIMS

Alarm Clock

Your phone includes an alarm clock that you can set to alert you at specific times.

Setting the Alarm

	Action
1	Press MENU 6 MNO 1 to select **Alarm**.
2	Scroll to the desired setting (**Once**, **Everyday**, or **Week day**), and press OK.
3	If you select **Once**, enter the month and day, and press OK. (If you make a mistake, press C to erase one digit at a time.)
4	Enter the hour and minute, and press OK. (If you make a mistake, press C to erase one digit at a time.)
5	Press # to select **AM** or **PM**.
6	Scroll to the desired repeat alarm setting, and press OK.
7	Press PWR to exit.

DRAFT

Turning Off the Alarm

	Action
1	Press MENU 6 mno 1 to select **Alarm**.
2	Press 2 abc to select **Release?**.
3	Scroll to **Yes** or **No**, and press OK.
4	Press END to exit.

Managing To-Do Lists

You can store up to 10 "to-do lists" to be displayed at specified times. At a time you specify, a to-do list blinks on and off on the phone's display. Press any key to return to the idle display.

You can store up to 10 lists.

Setting a To-Do List

	Action
1	Press MENU 6 mno 2 abc. If your phone cannot store any more lists, you will see **There is no storage for To-do list**.
2	Enter the text for your to-do list, and press OK. (See "How to Enter Text on Your Phone" on page 25.)

DRAFT

	Action
3	Enter the date and time for the to-do list, and press OK. • To move the cursor 1 position to the right, press Navigation key (down). • To move the cursor 1 position to the left, press Navigation key (up). • Press # to select **AM** or **PM**.
4	Scroll to the desired time for the To-do list alarm, and press OK: • **On time** • **Bfor 10 min** • **Bfor 1 hour** • **Bfor 1 day**
5	Press Power/End to exit.

DRAFT

Viewing Your To-Do Lists

You can view your to-do lists in chronological order.

	Action
1	Press MENU 6 WRITE 2 ABC 2 ABC. Your phone displays your stored lists, from earliest to latest. If the time for a list has already passed, your phone displays **past** at the bottom of the entry.
2	Press ⊙ (up or down) or ◁ (left) or ▷ (right) to scroll through the stored lists. To clear a selected list, press ⌀, scroll to **Yes** or **No**, and press OK.
3	Scroll to **Yes** or **No**, and press OK.
4	Press ⏻ to exit.

DRAFT

Security

Activating Voice Privacy

Your phone can attempt to send your calls using a high-security connection to prevent others from intercepting them.

	Press	To
1	MENU 5 JKL 5 JKL	select Voice Priv
2	(up or down) or (left) or # (right)	scroll to On or Off
3	OK	confirm your selection
4	C	exit to the previous menu

DRAFT

Specific Absorption Rate Data

The model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and 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 include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.23 W/kg, and when worn on the body, as

described in this user guide, is 0.34 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).[2]

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

`http://phonefacts.net`

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

`http://www.cwta.ca`

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

DRAFT

Specific Absorption Rate Data

This model phone meets the international standards for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the international limit for exposure to radio frequency (RF) energy. This limit is part of comprehensive guidelines and establishes 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 guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.[1] Tests for SAR are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions and locations that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is 0.77 W/kg.[2] While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

1. The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.
2. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

DRAFT

The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known—and what remains unknown—about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna—

DRAFT

the primary source of the RF—and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called "cordless phones," which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously—up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1 In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve

sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.[1]

2 Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus, follow-up research is necessary.[2]

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research

DRAFT

recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

1 Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.[3]

2 In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used.

   Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.[4]

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of

DRAFT

mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

Under the law, FDA does not review the safety of radiation-emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile 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 at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- support needed research into possible biological effects of RF of the type emitted by mobile phones
- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function

DRAFT

- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

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

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

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 people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle

DRAFT

- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package
- a headset with a remote antenna to a mobile phone carried at the waist

Again, the scientific data do not demonstrate that mobile phones are harmful. But if people are concerned about the radio frequency energy from these products, taking the simple precautions outlined above can reduce any possible risk.

Where can I find additional information?

For additional information, see the following Web sites:

Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):
`http://www.fcc.gov/oet/rfsafety`

World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): `http://www.who.int/emf`

United Kingdom, National Radiological Protection Board:
`http://www.nrpb.org.uk`

Cellular Telecommunications Industry Association (CTIA): `http://www.wow-com.com`

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health:
`http://www.fda.gov/cdrh/consumer/`

DRAFT

1. Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium;1999 June 20; Long Beach, California.
2. Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, D.C.; and personal communication, unpublished results.
3. Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.
4. Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. Int. J. Oncol., 15: 113-116, 1999.

DRAFT

Product Registration

Online Product Registration:

`http://www.motorola.com/warranty`

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

DRAFT

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Recomendaciones de seguridad para teléfonos celulares

"La seguridad es su prioridad."

Su teléfono celular Motorola le brinda la poderosa capacidad de comunicarse por voz — prácticamente en cualquier lugar, en cualquier momento, siempre que haya servicio celular disponible y las condiciones de seguridad lo permitan. Pero además de los beneficios que proporciona el uso del teléfono celular, éste requiere o implica una gran responsabilidad; algo importante que el usuario siempre debe recordar.

Cuando se encuentre conduciendo un vehículo, la conducción es su primera responsabilidad. Si le resulta necesario utilizar el teléfono celular mientras se encuentra al volante, ponga en práctica su sentido común y recuerde los siguientes consejos:

1 **Familiarícese con el teléfono celular Motorola y sus funciones, tales como el marcado rápido y el remarcado.** Si se encuentran disponibles, estas funciones le

ayudarán a realizar su llamada sin distraerle de la conducción del vehículo.

2 **Siempre que esté disponible, utilice un dispositivo a manos libres.** De ser posible, agregue conveniencia al teléfono celular con los diversos accesorios de manos libres originales de Motorola disponibles actualmente.

3 **Coloque el teléfono celular en un sitio fácilmente accesible.** Es importante que pueda acceder al teléfono celular sin quitar la vista de la carretera. Si recibe una llamada entrante en un momento poco conveniente, de ser posible, permita que la conteste el correo de voz.

4 **Hágale saber a su interlocutor que se encuentra en su automóvil conduciendo; si es necesario, suspenda la llamada cuando haya mucho tráfico o si las condiciones del clima son riesgosas.** La lluvia, nieve, hielo y el tráfico pesado pueden ser peligrosos.

5 **Si recibe un llamada mientras está conduciendo, no tome notas ni busque números telefónicos.** Anotar una lista de tareas pendientes o revisar su libreta de direcciones distrae la atención de su primera responsabilidad: conducir en forma segura.

6 **Sea prudente y tome en cuenta el tráfico a su alrededor. De ser posible, realice sus llamadas cuando el vehículo no esté en movimiento.** Intente planear sus llamadas para cuando su automóvil se encuentre detenido. En caso de que necesite hacer una llamada mientras el automóvil está en movimiento, es preferible que marque unos cuantos números, observe la carretera y los retrovisores y después continúe marcando.

DRAFT

7 **No participe en conversaciones estresantes o llenas de tensión, este tipo de conversaciones podrían distraer su atención.** Hágale saber a su interlocutor que usted está conduciendo en ese momento y suspenda este tipo de conversaciones, ya que pueden desviar su atención del camino.

8 **Utilice el teléfono celular para pedir ayuda.** Marque 9-1-1 u otro número local para emergencias en el caso de incendios, accidentes de tránsito o emergencias médicas.*

9 **Utilice el teléfono celular para ayudar a otras personas en situaciones de emergencia.** Si presencia un accidente automovilístico, un crimen o alguna emergencia grave en los que existan vidas en peligro, llame al 9-1-1 u otro número local para emergencias, del mismo modo que le gustaría que otros hicieran por usted.*

10 **Llame a la asistencia de carretera u otro número especial celular de ayuda que no sea para emergencias cuando sea necesario.** Si usted ve un automóvil averiado que no representa peligro, una señal de tráfico destruida, un accidente de tráfico menor donde ninguno de los ocupantes está lesionado o un vehículo que usted sabe que es robado, llame para asistencia en el camino o, en caso necesario, llame al número del sistema celular para casos especiales que no son emergencias.*

DRAFT

* En las zonas donde haya servicio celular disponible.

Obtenga información acerca de las leyes y reglamentaciones sobre el uso de teléfonos celulares y accesorios en las zonas donde conduzca. Obedézcalas siempre. El uso de estos dispositivos puede estar prohibido o restringido en ciertas zonas.

DRAFT

Para obtener más información,
llame por favor al
1-888-901-SAFE
o visite el
sitio Web de la CTIA en
www.wow-com.com™

ITC01-073