

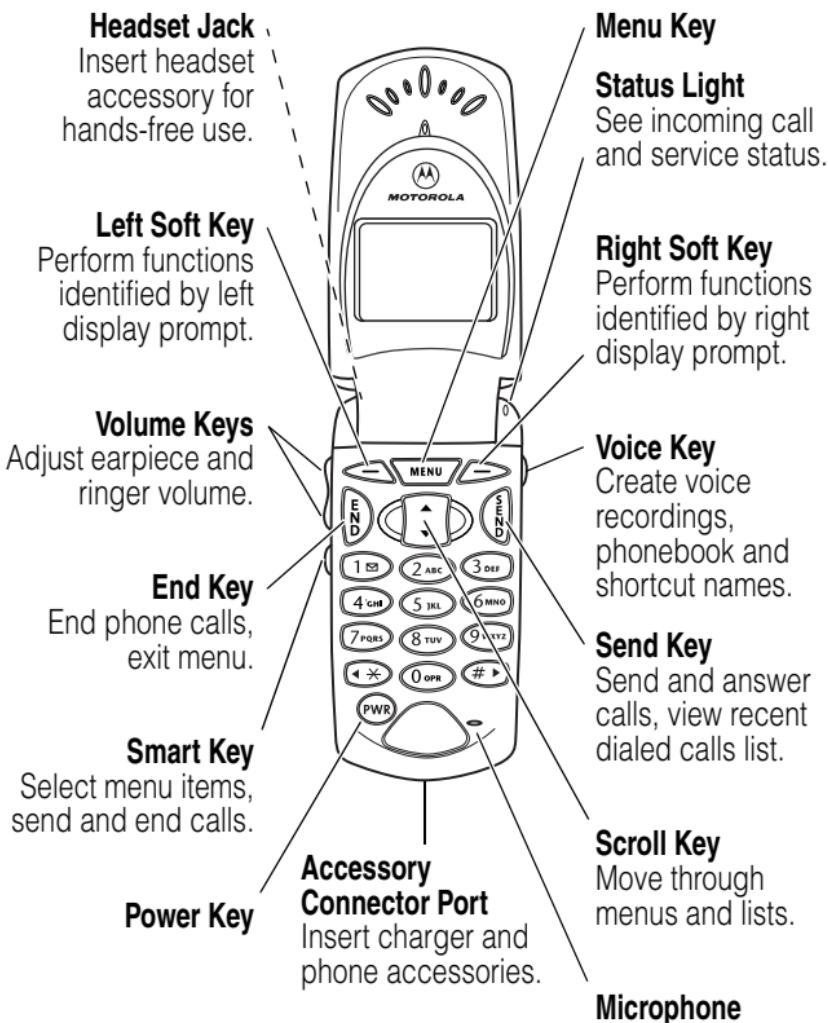


MOTOROLA

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V60i TDMA wireless phone.



Personal Communications Sector
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Libertyville, Illinois 60048

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

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

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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.

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, where 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.

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.

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

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.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before

playing video games on your phone or enabling a blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate blinking lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a blinking-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.



Getting Started

What's in the Box?

Your digital wireless phone typically comes equipped with a battery and a charger. You can purchase other accessory items to customize your 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 describes how to use your Motorola wireless phone.

Note: A reference guide for your phone is also available that describes your phone's features in more detail.

To obtain the reference guide for your phone, or another copy of this user guide, see the Motorola Web site at:

<http://motorola.com/consumer/manuals> (U.S.A.)
<http://motorola.ca/consumer> (Canada)

or contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.



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.

Installing the Battery

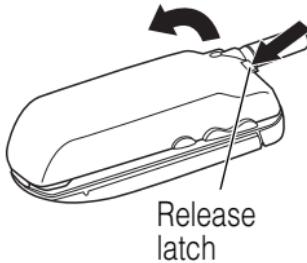
You must install and charge the battery to use your phone.



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

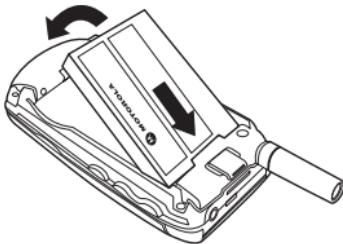
- 1 Remove the battery from its protective clear plastic case.
- 2 If necessary, push down the battery door release latch and lift the door off of the phone.



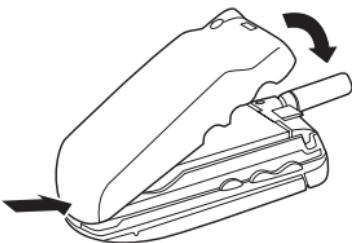


Action

- 3 Insert the battery, printed arrow first, **under the tab** at the top of the battery compartment and push down.



- 4 Insert the ridge at the bottom of the battery door into the base of the phone, then push the door down and snap it into place.

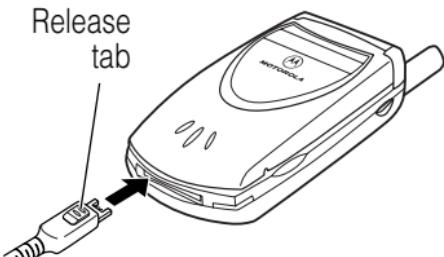


Charging the Battery

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

Action

- 1 Plug the travel charger into your phone with the release tab facing up.





Action

- 2 Plug the other end of the travel charger into the appropriate electrical outlet.
- 3 When your phone indicates **Charge Complete**, press the release tab and remove the travel charger.

Notes:

- When you charge the battery, the battery level indicator in the upper-right corner of the display shows how much of the charging process is complete.
- If the battery charge drops too low, your phone may power off during a call, even when the charger is connected. To avoid this possibility, do not make calls while charging the battery.

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.

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 battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery 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.
 - Do not expose batteries 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 place, such as a refrigerator.
- Over extended periods, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, it is probably time to purchase a new battery.



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.

Changing the Convertible Covers



You can change the flip cover and battery cover on your phone to personalize its appearance. Matching front and back cover sets are available in a variety of colors and designs.

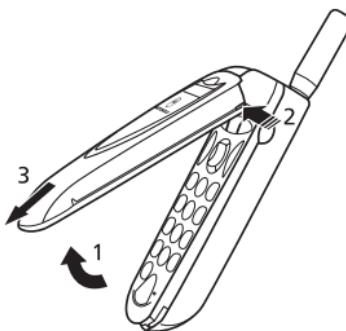
Your phone is designed to be used only with Motorola Original accessories. See your Motorola retailer for these convertible covers.

Remove a Flip Cover



Action

- 1 Open your flip phone *half way*.
- 2 Press in the tiny silver release button with your fingernail. This button is on the side of the top half of the phone.
- 3 While pressing the silver button in, slide the cover off the phone.

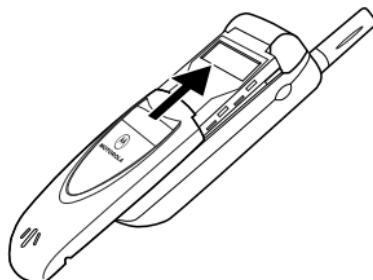


Getting Started

Attach a Flip Cover

Action

- 1 Close your flip phone.
- 2 Line up the ridges on each side of the cover so that they align with the slots on the phone.



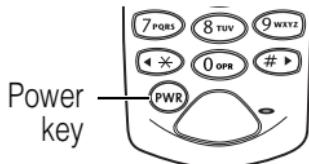
**Action**

- 3 Slide the cover onto the phone until it snaps into place.

Turning Your Phone On

Action

- 1 Open your phone
- 2 Press and hold **PWR** to turn the phone on



- 3 If necessary, enter your four-digit unlock code and press **OK** (◀) to unlock the phone

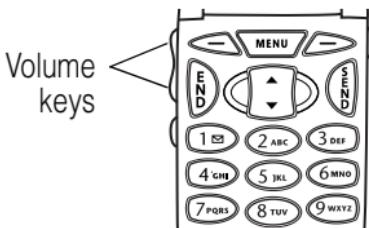
The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Note: At startup, you can personalize your phone. Select **YES** (◀) to set personal phone options, or **NO** (◀) to go to the idle display.

Adjusting Volume

Press the up and down volume keys to:

- increase and decrease earpiece volume during a call





- increase and decrease the ringer volume setting when the idle display is visible (flip must be open)

Tip: At the lowest volume setting, press the down volume key to switch to vibrate alert. Press it again to switch to silent alert. Press the up volume key to cycle back to vibrate alert, then ring alert.

Making a Call

Press	To
1 keypad keys	dial the phone number
	Tip: If you make a mistake, press DELETE (◀) to delete the last digit, or press and hold DELETE (◀) to clear all digits.
2	make the call
3	end the call and "hang up" the phone

Note: You must dial the phone number from the idle display. See page 21.



Answering a Call

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

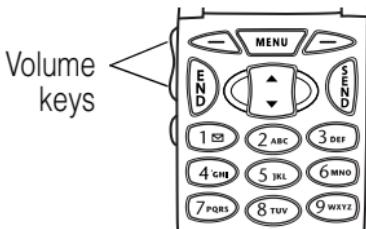
Press	To
1  or ANSWER (◀)	answer the call
2 	end the call and "hang up" the phone

Tip: When the phone flip is active, simply open the phone to answer the call. (To activate, press **MENU** > **Settings** > **In-Call Setup** > **Answer Options** > **Open to Answer**)

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

Changing the Call Alert

With the phone flip open, press the down volume key to switch the alert for incoming calls and other events to vibrate alert, then silent alert. Press the up volume key to reset ring alert.



Viewing Your Phone Number

To view your phone number from the idle display, press **MENU** .

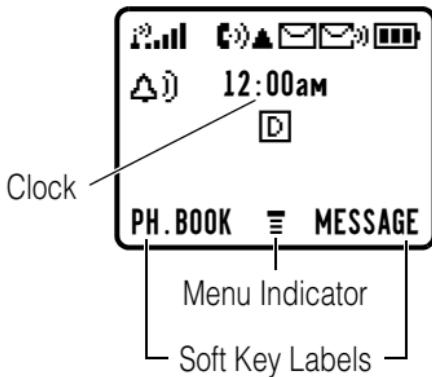
While you are on a call, press **MENU** > **My Tel. Number**.

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *idle display* (shown below) 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.

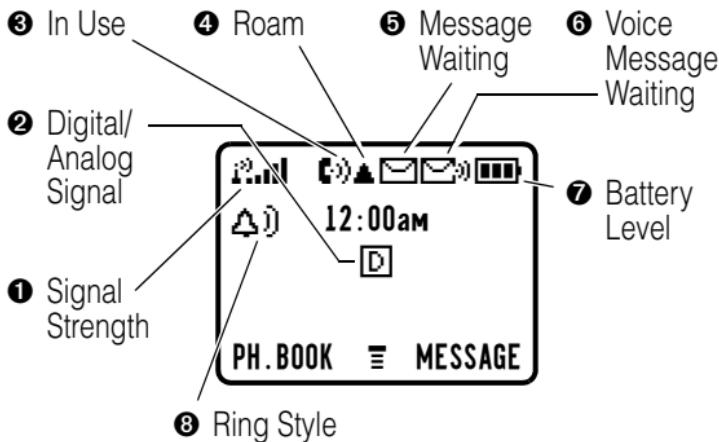


The  (menu) indicator at the bottom center of the display indicates you can press the menu key () to display the main menu for more features.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key () or right soft key () to perform the function indicated by the left or right soft key label.



Status indicators are grouped at the top of the display:



① Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls when the  (no signal) indicator displays.

② Digital () or Analog () Signal Indicator Shows whether you are receiving a digital or analog signal.

③ In Use Indicator Shows that a call is in progress.

④ Roam Indicator Shows that your phone is seeking or using another network system outside your home network.

⑤ Message Waiting Indicator Displays when you receive a text message.





⑥ Voice Message Waiting Indicator Displays when you receive a voicemail 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 Ring Style Indicator Shows the ring style setting.

 = loud ring

 = soft ring

  = vibrate

  = vibrate and ring

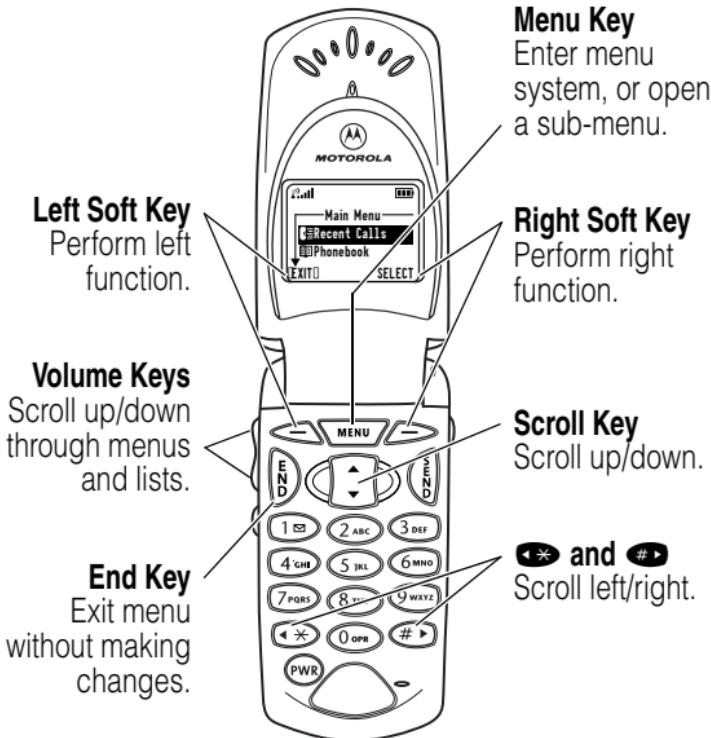
  = silent





Using Menus

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



Selecting a Menu Feature

This guide shows you how to select a menu feature as follows, starting from the idle display:

Find the Feature

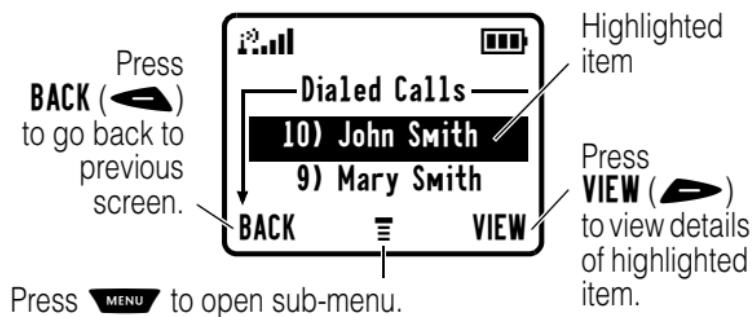
MENU > **Messages**
> **Create Message**

This example shows that from the idle display, you must press **MENU**, scroll to and select **Messages** from the main

menu, then scroll to and select **Create Message**. Use  to scroll, and the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Selecting a Feature Option

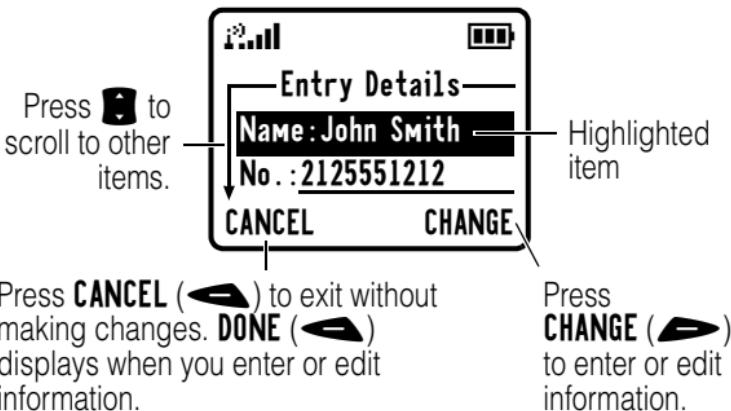
Some features require you to select an item from a list:



- Press  to scroll up or down to highlight the item you want.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key multiple times to cycle through the letters on the key and highlight the closest matching list item.

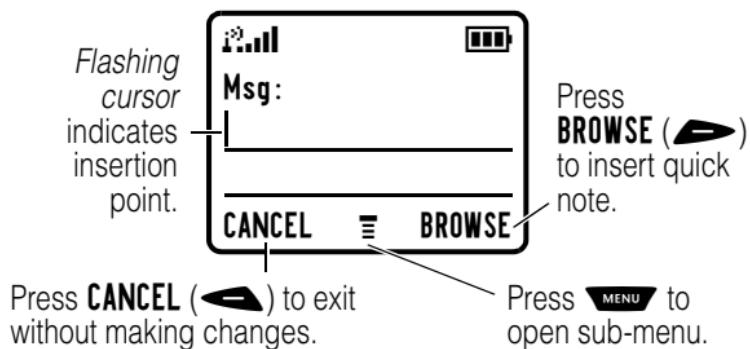
Entering Feature Information

Some features require you to enter information:

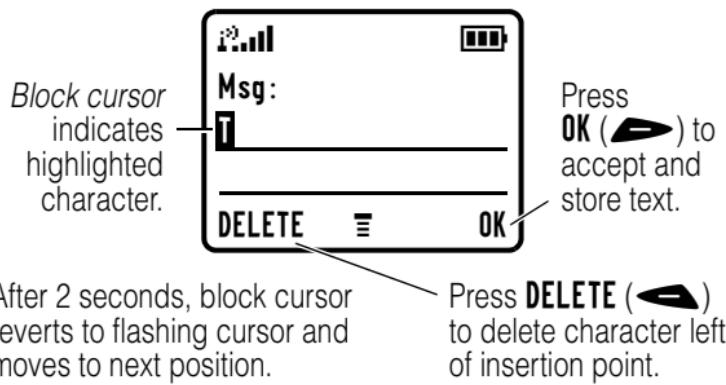


- Enter numbers or text with the keypad.
- When an item has a list of possible values, press **◀*** or **▶#** to scroll and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.
- If you enter or edit information and do not want to save your changes, press **END** to exit without saving.

The message center lets you compose and send text messages. A *flashing cursor* shows where text will appear:



When you enter text using the standard tap method (see page 28), the flashing cursor changes to a *block cursor*, and the soft key functions change:



Entering Text

Multiple text entry methods make it easy for you to enter names, numbers, and messages.



Choosing a Text Entry Method

Most text entry screens let you enter letters, numbers, and/or symbols as required. Press **MENU** from a text entry screen to select one of the following text entry methods:

- iTAP** Let the phone predict each word as you enter it. See page 31.
- Tap Method** Enter letters, numbers, and symbols by pressing a key one or more times. See following section.
- Numeric** Enter numbers only.
- Symbol** Enter symbols only. See page 34.
- Browse** Browse your phonebook or recent call lists to select a name or number.

Note: The text entry method you select remains active until you change it by selecting another method.

Using Tap Method

This is the standard method for entering text.

Press **MENU** from any text entry screen and select the **Tap Method** menu option.

Press	To
1 A number key one or more times	select a letter, number, or symbol shown in the "Character Chart" on page 30
2 Number keys	enter the remaining characters

Press
3 OK (◀)

To

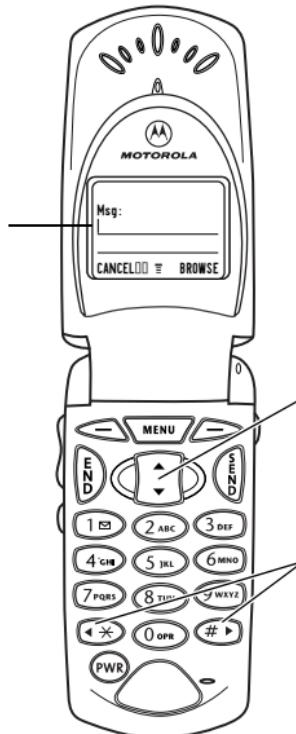
store the text when you are finished

General Text Entry Rules

Press a number key repeatedly to cycle through its characters. See the “Character Chart” on page 30.

Press a number key as many times as necessary to enter desired character at flashing cursor location.

Press and hold a number key to cycle between text and numeric entry methods.



Change letter in block cursor to uppercase or lowercase.

Move flashing cursor to left or right in text message.

- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.



- The first character of every sentence is capitalized. Press  down to change the character to lowercase while it is highlighted by the block cursor.
- Your phone may support multiple languages. You can switch languages within a message. Press  to select the text entry method and language you want to use.

Character Chart

Use this chart as a guide for entering characters with the tap method.



	space . 1 ? ! , @ _ & ~ : ; " - () ' ¡ ¡ % £ \$ ¥ ☰ €
	a b c 2 á à â ã ç
	d e f 3 é è ê ë
	g h i 4 í î ï
	j k l 5
	m n o 6 ñ ó ô õ
	p q r s 7
	t u v 8 ð ú ù û
	w x y z 9
	+ - 0 x * / \ [] = > < # §

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

Using iTAP™ Software Predictive Text Entry Method

iTAP™ software is a predictive text entry method that lets you enter a word using one keypress per letter.

Press  from any text entry screen and select the iTAP menu option.

Entering Words

Action

- 1 Press a number key one time to enter the first letter of the word

The letters associated with the key are shown at the bottom of the display.

- 2 Press number keys (one per letter) to enter the rest of the word

Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.

- 3 Press  or  to highlight the word you want

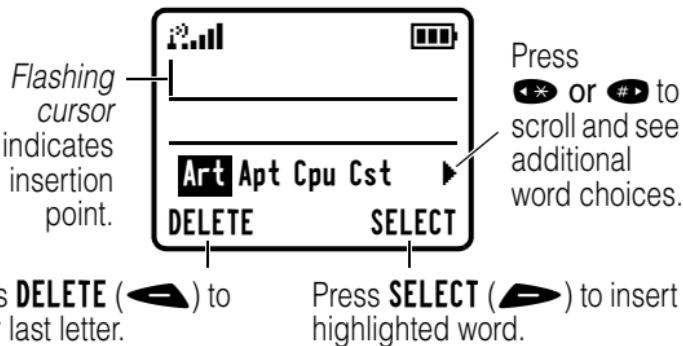
- 4 Press **SELECT** () to enter the word at the flashing cursor location

A space is automatically inserted after the word.





For example, to spell the word “art,” press **2 ABC** **7 PQRS** **8 TUV**. The display shows:



Entering Novel Words

You may enter a word that the iTAP software does not recognize. If the word you want is not displayed:

Action

- 1 Press **DELETE** (◀) one or more times to delete letters until you see a letter combination that matches the start of the word
- 2 Press ***** or **#** to highlight the letter or letter combination
- 3 Press **SELECT** (▶), then press ***** to shift the text entry cursor to the left and “lock” the selected word portion
- 4 Continue to enter letters and highlight letter combinations to spell the word

Entering Punctuation

Press	To
0  or 1 	enter punctuation or other characters as shown in the "Character Chart" on page 30

Using Capitalization

The first word of a sentence is automatically capitalized, with following words in lowercase.



Press	To
	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Entering Numbers

Action
1 Enter the first digit and then highlight it to put the iTAP software in number entry method
2 Press number keys to add digits to the number
3 Press SELECT () to enter the number at the flashing cursor location

Deleting Letters and Words

Place the cursor to the right of the text you want to delete, and then:

Action
Press DELETE () to delete one letter at a time
Hold DELETE () to delete the entire message



Using Symbol Text Entry Method

Your phone provides an alternate way to enter symbol characters in a message. Press  from any text entry screen and select the **Symbol** menu option.

Press	To
1 a number one time	display its symbol options at the bottom of the display See the "Symbol Chart" on page 35.
2  * or 	highlight the symbol you want
or	
number key multiple times	
3 SELECT ()	enter the symbol at the flashing cursor location

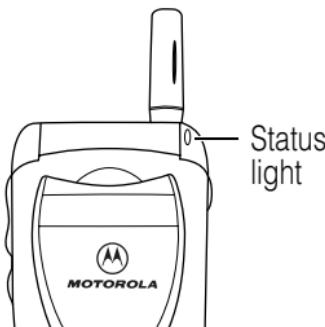
Symbol Chart

Use this chart as a guide for entering characters in symbol mode.

1	space . ? ! , @ _ & ~ : ; " - () ' ï ï % £ \$ ¥ ☼ €
2	@ _ \ α β
3	/ : ; δ φ
4	" & ' γ
5	() [] { } λ
6	ï ï ~ ω
7	< > = π β σ
8	\$ £ ¥ ☼ € θ
9	# % * ξ ψ
0	+ - × * / = > < # §

Using the Status Light

The status light shows when you have an incoming call or message, or when your phone is *roaming* (using a non-home system).



Status light

Indication	Status
flashing yellow	roaming, non-home system
flashing red	no service

The status light initially is turned off to extend battery life. Turning on the status light will reduce your phone's *standby time*, the length of time that your phone's battery retains power when the phone is turned on but is not in use.

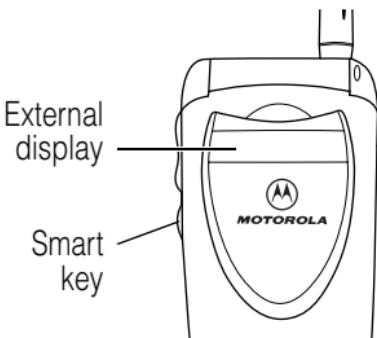
To turn the status light on or off:

Find the Feature

► **MENU** > **Settings**
 > **Other Settings**
 > **Initial Setup**
 > **Status Light**

Using the Smart Key

The smart key gives you another way to perform many basic phone functions. It anticipates the next action you are likely to perform. For example, when you highlight a menu item, you can press the smart key to select it. You can use the smart key to make and end calls, toggle features on and off, and open your phonebook. The smart key usually performs the same function as the right soft key (►).



Tip: The smart key provides an optional way to do some things faster. It is never *the only way* to perform a task.

Using the External Display

When the flip is closed, the external display shows the time and date. It also displays messages to notify you of incoming calls and other events. You can perform the following functions in the external display.

Setting Phone Ring Style

Press	To
1 volume keys	scroll to Style
2 smart key	select a ring style
3 volume keys	return to the idle display

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls and displays **X Missed Calls** in the external display.

Press	To
1 smart key	see the received calls list
2 volume keys	scroll through the list and select a call to return
3 smart key	make the call

Note: Because the microphone and earpiece are unavailable when the phone is closed, you must use a headset or other hands-free device with this feature.



Locking and Unlocking Your Phone

You can lock your phone manually or set the phone to lock automatically whenever you turn it off.

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 46.

Locking Your Phone Manually

Find the Feature

► **MENU** > **Settings** > **Security**
> **Phone Lock**
> **Lock Now**

Press	To
1 keypad keys	enter your unlock code
2 OK (◀)	lock the phone

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 four digits of your phone number.

At the **Enter Unlock Code** prompt:

Press	To
1 keypad keys	enter your unlock code
2 OK (◀)	unlock your phone

Setting Your Phone to Lock Automatically

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

Find the Feature

► **MENU** > **Settings** > **Security**
> **Phone Lock**
> **Automatic Lock** > **On**

Press	To
1 keypad keys	enter your unlock code
2 OK (►)	activate automatic lock

Changing a Code or Password

Your phone's four-digit unlock code is originally set to 1234, and the six-digit security code is originally set to 000000 at the factory. Your service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, we recommend that you change them to prevent other users from accessing your personal information. The unlock code must contain four digits, and the security code must contain six digits.

To change a code or password:

Find the Feature

► **MENU** > **Settings** > **Security**
> **New Passwords**



If You Forget a Code or Password

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

If you forget your unlock code, try entering 1234 or the last four digits of your phone number. If that does not work, do the following at the **Enter Unlock Code** prompt:



Press	To
1 	go to the unlock code bypass screen
2 keypad keys	enter your security code
3 	submit your security code

Setting Up Your Phone

Storing Your Name and Phone Number



To store or edit user name and phone number information on your phone:

Find the Feature

► **MENU** > Settings
> Phone Status
> My Tel. Number

Setting the Time and Date

To use the datebook you must set the time and date:

Find the Feature

► **MENU** > Settings
> Other Settings
> Initial Setup
> Time and Date

Setting a Ring Style

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 five different ring styles:

△ () = loud ring

△ () = soft ring



 = vibrate

 = vibrate and ring

 = silent

The ring style indicator in the display shows the current ring style. See page 22.

To set a ring style:

Find the Feature

 > Ring Styles > Style

Press	To
1 	scroll to the ring style
2 SELECT ()	select the ring style

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press  > **Ring Styles** > **Style Detail**.



Setting Answer Options

You can use different methods to answer an incoming call.

Find the Feature

 > Settings
> In-Call Setup
> Answer Options

The **Answer Options** menu includes:

Multi-Key

answer by pressing any key

Open to Answer

answer by opening the flip

Zooming In and Out

Press and release **MENU**, then press and hold **MENU** to zoom in and out on the display. Zoom in to increase text size, zoom out to display more information.

You can also zoom in and out from the menu:

Find the Feature

MENU > **Settings**
> **Other Settings**
> **Initial Setup** > **Zoom**

Setting Display Contrast

Find the Feature

MENU > **Settings**
> **Other Settings**
> **Initial Setup**
> **Contrast**



Adjusting the Backlight

You can set how long the display backlight remains on, or turn off the backlight to extend battery life.

Find the Feature

MENU > **Settings**
> **Other Settings**
> **Initial Setup**
> **Backlight**

Calling Features



For basic instructions on how to make and answer calls, see page 19.

Changing the Active Line

Change the active phone line to make and receive calls from your other phone number.

Find the Feature

► **MENU** > **Settings**
 > **Phone Status**
 > **Active Line**

The active line indicator in the display shows the current active phone line. See page 22.

Redialing a Number

If you hear an ordinary busy signal:

	Press	To
1	END	hang up
2	END	redial the busy number

Using Caller ID



Calling line identification (caller ID) displays the phone number for incoming calls in your phone's external and internal displays.

The phone displays the caller's name if the name is stored in your phonebook, or **Incoming Call** when caller ID information is not available.

Using Voice Privacy



When *voice privacy* is activated, your phone always tries to use a high-security connection to prevent others from intercepting your calls. To activate voice privacy, see page 61.

When a high-security connection is available, your phone uses it and displays the **VP** (voice privacy) indicator during a call.

Cancelling an Incoming Call

While the phone is ringing or vibrating:

Press	To
END or IGNORE (◀)	cancel the incoming call



Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.



Turning Off a Call Alert

You can turn off your phone's incoming call alert before answering the call.

Press	To
either volume key	turn off the alert

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.

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 keeps a list of the calls you recently received and dialed, even if the calls did not connect. The list is sorted from newest to oldest entries. The oldest entries are deleted as new ones are added.

Shortcut: Press  to go directly to the dialed calls list from the idle display.

Find the Feature

 > Recent Calls

Press	To
1 	scroll to Received Calls or Dialed Calls
2 SELECT ()	select the list
3 	scroll to an entry
	Note:  means the call connected.
4 	call the entry's number
	Tip: Press and hold  for two seconds to send the number as DTMF tones during a call.
or	
	view entry details
or	
	open the Last Calls Menu to perform other procedures

The Last Calls Menu can include the following options:

Option	Description
Store	Create a phonebook entry with the number in the No. field.
Delete	Delete the entry.



Option	Description
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent call lists, after the highlighted number.
Send Tones	Send the number to the network as DTMF tones. Note: This option is available only during a call.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls, and displays:

- the  (missed call) indicator
- X Missed Calls**, where **X** is the number of missed calls

Press	To
1 	see the received calls list
2 	select a call to return
3 	make the call

Using the Notepad

Your phone temporarily stores the most recently entered keypad digits into the *notepad*. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature

► **MENU** > Recent Calls
> Notepad

Press	To
1	call the number
or	
► MENU	open the Dialing Menu to attach a number or insert a special character
or	
STORE (►)	create a phonebook entry with the number in the No. field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
► MENU > Attach Number	attach a number from the phonebook or recent call lists



Calling With Speed Dial

Each entry you store in your phonebook is assigned a unique *speed dial* number. To speed dial a phonebook entry:

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

Calling With One-Touch Dial

To call phonebook entries 1 through 9, press and hold the one-digit speed dial number for one second.

We recommend that you reserve phonebook entry 1 (speed dial number 1) for storing and dialing your voicemail phone number. Usually, your service provider has already done this for you. If necessary, see your reference guide for information on how to store your voicemail number as a phonebook entry.

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.

Listening to Voicemail Messages

Find the Feature

► **MENU** > **Messages** > **VoiceMail**

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

Shortcut: Your service provider may also store your voicemail phone number as phonebook entry number 1. If so, you can press and hold **1** to listen to your voicemail messages.

Receiving a Voicemail Message

When you receive a voicemail message, your phone displays the  (voice message waiting) indicator and a **New VoiceMail** notification.

Press	To
CALL ( <td>listen to the message</td>	listen to the message

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



Storing Your Voicemail Phone Number

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

Find the Feature

► **MENU** > **Messages**

► **MENU** > **VoiceMail Setup**

Press	To
1 keypad keys	enter your voicemail number
	Tip: You can store your PIN code with the voicemail number.
2 OK (◀)	store the number

Your service provider additionally may store your voicemail phone number as phonebook entry number 1, so you can use one-touch dial to listen to your voicemail messages. If necessary, see your reference guide for information on how to store your voicemail number as a phonebook entry.

Muting the Phone

To mute your phone during a call, press **MUTE (◀)** (if available) or **MENU > Mute**.

Using Call Waiting



When you are on a call, an alert tone sounds when you receive a second call.

Press	To
1 (END)	answer the new call
2 (SEND)	switch back to the first call

Phone Features

Main Menu

This is the standard main menu layout. **Menu organization and feature names may vary on your phone.** Not all features may be available for all users.

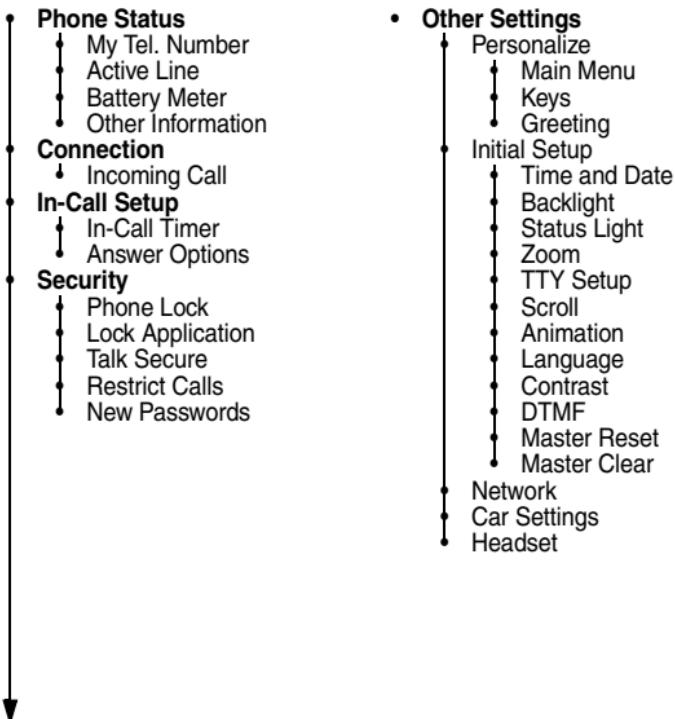
For example, the **Radio** feature is available only when the optional FM Stereo Radio Headset accessory is plugged into your phone (see phone illustration, page 1).

- **Recent Calls**
 - Received Calls
 - Dialed Calls
 - Notepad
 - Call Times
- **Phonebook**
- **Datebook**
- **Radio**
- **Messages**
 - Create Message
 - Voicemail
 - Inbox
 - Quick Notes
 - Outbox
 - Drafts
- **Ring Styles**
 - Style
 - Style Detail
 - My Tones
- **Shortcuts**
- **Voice Notes**
- **Browser**
- **Calculator**
- **Games**
- **Settings**
 - (see next page)

Shortcuts	
Change display zoom: Press   , then press and hold  	
Change ringer alert: Open flip, press down volume key to decrease volume, then switch to vibrate alert, then silent alert. Press up volume key to reset ring alert and increase volume.	
Display my phone number: Press    (in idle)	
Go to dialed calls list: Press  (in idle)	
Exit menu system: Press 	
Open phonebook: Press  down (in idle)	
Create phonebook entry: Press  up (in idle)	



Settings Menu



Feature Quick Reference

You can do more with your phone than make and receive phone calls! For example, you can store frequently called numbers in the phonebook for easy dialing, organize your meetings and other events in the datebook, browse the Web, download applications, send messages, and more.

Use this chapter to locate features on your phone that are not described in this user guide. For more detailed information, see the reference guide.

Calling Features

Feature	Description
Three-Way Call	During a call: Dial third party's number, press 4 to call, press 4 again to connect
Restrict Calls	Restrict outgoing or incoming calls: MENU > Settings > Security > Restrict Calls
TTY Calls	Set up your phone for use with an optional TTY device: MENU > Settings > Other Settings > Initial Setup > TTY Setup

Messages

Feature	Description
Send Message	Send a text message: MENU > Messages > Create Message
Receive Message	Read a new text message that you have received: Press READ (◀)



Feature	Description
Download Ring Tones	Highlight a ring tone in a message, then: [MENU] > Store



Phonebook

Feature	Description
Create Entry	Create a new phonebook entry: [MENU] > Phonebook [MENU] > New > Phone Number or Email Address
Dial Number	Call a number stored in the phonebook: [MENU] > Phonebook > <i>entry to call</i>
Voice Dial Number	Voice dial a number stored in the phonebook: Press and release the voice key, and say the entry's name (in two seconds)

Personalizing Features

Feature	Description
Ring Alert	Change the ring alert for an event: [MENU] > Ring Styles > Style Detail > <i>event name</i>
Ring Volume	Set ringer volume: [MENU] > Ring Styles > Style Detail > Ring Volume

Feature	Description
Keypad Volume	Set keypad keypress volume: [MENU] > Ring Styles > Style Detail > Key Volume
Soft Keys	Change soft key labels and smart key access in the idle display: [MENU] > Settings > Other Settings > Personalize > Keys
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold [MENU] Select a shortcut: [MENU] > Shortcuts > <i>shortcut name</i>

Menu Features

Feature	Description
Language	Set menu language: [MENU] > Settings > Other Settings > Initial Setup > Language
Master Reset	Reset all options <i>except</i> unlock code, security code, lifetime timer: [MENU] > Settings > Other Settings > Initial Setup > Master Reset
Master Clear	Reset all options <i>except</i> unlock code, security code, lifetime timer, clear all user settings and entries: [MENU] > Settings > Other Settings > Initial Setup > Master Clear



Dialing Features

Feature	Description
DTMF Tones	Activate DTMF tones: ► MENU > Settings > Other Settings > Initial Setup > DTMF Send DTMF tones during a call: Press number keys Send stored numbers as DTMF tones during a call: Highlight a number in the phonebook or recent call lists, then press ► MENU > Send Tones

Call Monitoring

Feature	Description
Call Times	View call timers: ► MENU > Recent Calls > Call Times 
In-Call Timer	Display time or cost information during a call: ► MENU > Settings > In-Call Setup > In-Call Timer 



Handsfree Features

Feature	Description
Speaker-phone	Activate a connected external speakerphone during a call: Press SPEAKER (◀) (if available) or [MENU] > Spkrphone On
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: [MENU] > Settings > Other Settings > Car Settings or Headset > Auto Answer
Auto Hands-Free (car kit)	Automatically route calls to a car kit when connected: [MENU] > Settings > Other Settings > Car Settings > Auto Handsfree
Power-Off Delay (car kit)	Set the phone to stay on for a period of time after the ignition is switched off: [MENU] > Settings > Other Settings > Car Settings > Power-Off Delay
Charger Time (car kit)	Charge the phone for a period of time after the ignition is switched off: [MENU] > Settings > Other Settings > Car Settings > Charger Time



Data Calls

Feature	Description
Send Data	Connect your phone to the device, then place the call through the device application
Receive Data	Connect your phone to the device, then: MENU > Settings > Connection > Incoming Call > Next Call > Data In Only Reset normal voice operation: MENU > Settings > Connection > Incoming Call > Next Call > Normal

Phone Features

Feature	Description
Network Settings	View network information and adjust network settings: MENU > Settings > Other Settings > Network

Personal Organizer Features

Feature	Description
Add Datebook Event	Add an event to the datebook: MENU > Datebook > <i>day</i> MENU > New

Feature	Description
View Datebook Event	View or edit event details: [MENU] > Datebook > <i>day</i> > <i>event name</i>
Event Reminder	View event reminder: VIEW (◀)
	Dismiss event reminder: EXIT (◀)
Record Voice Note	Record a voice note: Press and hold voice key, speak voice note, release voice key
Play Voice Note	Play back a recorded voice note: [MENU] > Voice Notes > <i>voice note</i>
Calculator	Calculate numbers: [MENU] > Calculator
Currency Converter	Convert currency: [MENU] > Calculator [MENU] > Exchange Rate Enter exchange rate, press OK (◀), enter amount, select \$ function

Security

Feature	Description
Lock Application	Lock phone applications: [MENU] > Settings > Security > Lock Application

Feature	Description
Activate Voice Privacy	Send calls using a high-security connection, when available:  > Settings > Security > Talk Secure

News and Entertainment

Feature	Description
Launch Micro-Browser	Start a micro-browser session:  > Browser
Play a Game	Play a game on your phone:  > Games
My Tones	Compose your own ring tones, manage ring tones that you have composed or downloaded:  > Ring Styles > My Tones
Radio	Use the optional Motorola Original™ FM Stereo Radio Headset accessory:  > Radio



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 1.32 W/kg, and when worn on the body, as

described in this user guide, is 1.24 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.

**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—

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 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, neuroepitheliomatous 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

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

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

- 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

- 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/>

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.
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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.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF

THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

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Product Registration

Online Product Registration:

<http://www.motorola.com/warranty>

Product registration is an important step toward enjoying your new Motorola phone. Registering helps us facilitate warranty service, and permits us to contact you should your phone 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.

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.

RF Energy Interference

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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U.S. patent Re. 34,976



MOTOROLA

Wireless Phone Safety Tips

“Safety is your most important call!”

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

- 1 Get to know your Motorola wireless phone and its features such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.



- 2 When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.
- 3 Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 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, ice, and even heavy traffic can be hazardous.
- 5 If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- 6 Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, 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.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.



- 8 Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*
- 9 Use your wireless phone to help others in emergencies.** 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 non-emergency wireless assistance number when necessary.** 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.*

* Wherever wireless phone service is available.

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.



For more information,
please call
1-888-901-SAFE
or visit the
CTIA Web site at
www.wow-com.comTM



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