

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT56DR1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Welcome

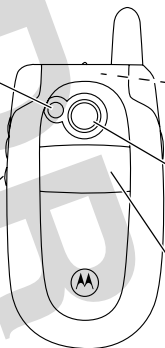
Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V500 GSM wireless phone.



Check It Out!

Camera Lens
Take photos to send to others & use on your phone.

Smart Key
Set ring style & call forwarding with flip closed, answer calls with headset accessory.



Handsree Speaker
(on back of phone)

Mirror
Aim camera lens for self portraits.

External Display
View incoming call information.

Feature	Description
Take Photo	Press CAMERA (◁) to activate the camera, point lens at subject, press CAPTURE (◇) to take a photo.
Send Photo	Send the photo to a phone number or email address: Press STORE (◇) > Send In Message

Feature	Description
Set Photo as Picture Caller ID	Assign a photo to a phonebook entry to enable picture caller ID:  > Multimedia > Pictures > <i>photo</i>  > Apply As Phonebook Entry
Send Multimedia Message	Send a multimedia message with pictures, animations, and sounds:  > Messages > Create Message > New Multimedia Msg 
Send Letter	Send a multimedia letter:  > Messages > Create Message > New Letter 
Wireless Connection	Set up a Bluetooth™ wireless connection to a headset accessory, car kit, or external device:  > Settings > Connection > Bluetooth Link > Handsfree > [Look For Devices]
Phone Theme	Apply a phone theme:  > Multimedia > Themes > <i>theme</i>

Motorola, Inc.
Consumer Advocacy Office
1307 East Algonquin Road
Schaumburg, IL 60196
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)

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Contents

Safety and General Information	8
Getting Started	14
About This Guide	14
Installing the SIM Card	15
Installing the Battery	16
Charging the Battery	16
Battery Use	17
Turning Your Phone On	19
Adjusting Volume	20
Making a Call	20
Answering a Call	21
Viewing Your Phone Number	21
Highlight Features	22
Taking and Sending a Photo	22
Sending a Multimedia Message	24
Receiving a Multimedia Message	26
Using Bluetooth Wireless Connections	26
Learning to Use Your Phone	28
Using the Display	28
Using the 5-Way Navigation Key	33
Using Menus	34
Entering Text	37
Choosing a Text Entry Method	45
Using the Smart Key	46
Using the External Display	47
Changing a Code, PIN, or Password	49
Locking and Unlocking Your Phone	49
If You Forget a Code, PIN, or Password	51

Using the Phonebook	51
Setting Up Your Phone.	54
Storing Your Name and Phone Number	54
Setting the Time and Date	54
Setting a Ring Style	54
Setting Answer Options	55
Setting a Wallpaper Image	56
Setting a Screen Saver Image	57
Setting Display Contrast	58
Setting Display Color	58
Adjusting the Backlight	58
Calling Features	59
Changing the Active Line	59
Redialing a Number	59
Using Automatic Redial	59
Using Caller ID	60
Turning Off a Call Alert	61
Calling an Emergency Number	61
Dialing International Numbers	62
Viewing Recent Calls	62
Returning an Unanswered Call	64
Using the Notepad	64
Attaching a Number	65
Calling With Speed Dial	65
Calling With 1-Touch Dial	66
Using Voicemail	66
Using Call Waiting	68
Putting a Call On Hold	68
Transferring a Call	69
Phone Features.	70
Main Menu	70
Feature Quick Reference	72

Specific Absorption Rate Data	89
Consumer Information on Wireless Phones from the FDA	91
Warranty	96
Product Registration	101
Export Law Assurances	101
RF Energy Interference	101
Index	102
Wireless Phone Safety Tips	113

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's 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, 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 antennas, 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 handsfree 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. 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.





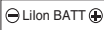
Blasting Caps and Areas

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 flashing 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 flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing 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 flashing-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



About This Guide

This guide describes the basic features of your Motorola wireless phone.

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

To obtain the *More Here* guide for your phone, or another copy of this 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 (U.S.A.) or 1-800-461-4575 (Canada).

Optional Features



This label identifies an optional network, SIM card, 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



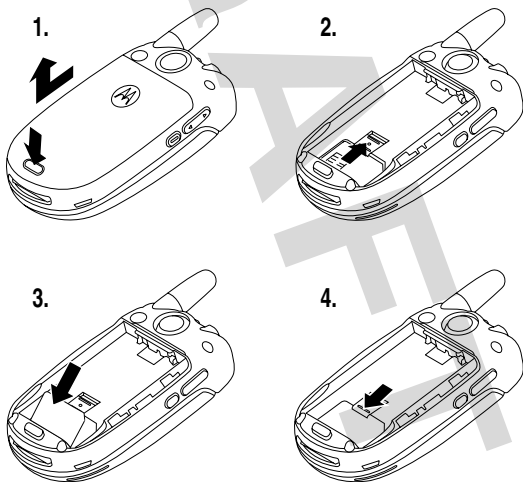
This label identifies a feature that requires an optional Motorola Original™ accessory.



Installing the SIM Card

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory.

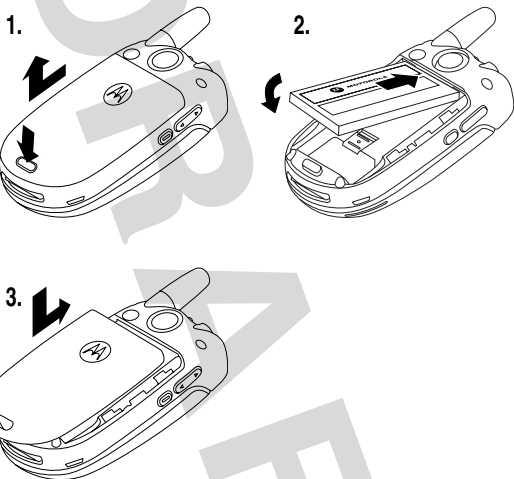
Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.



Installing the Battery



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



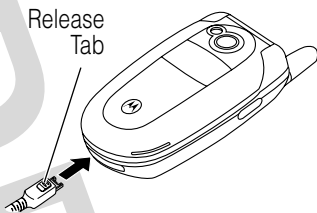
Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to 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.



- 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.

Tip: You can safely leave the travel charger connected to the phone after charging is complete. This will **not** damage 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; items attached to the phone's accessory connector port; 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 a long 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 time, 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, then 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. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode.

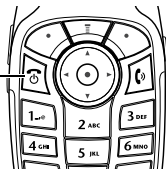
Turning Your Phone On


Action

1 Open your phone


2 Press and hold  for 2 seconds to turn on the phone

Power Key



3 If necessary, enter your SIM card PIN code and press **OK** () to unlock the SIM card

Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays **SIM Blocked**.

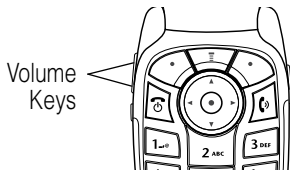
4 If necessary, enter your 4-digit unlock code and press **OK** () to unlock the phone



Adjusting Volume





Press the up or down volume keys to:



- increase or decrease earpiece volume during a call
 - increase or decrease the ringer volume setting when the home screen is visible (flip must be open)
- Tip:** At the lowest volume setting, press the down volume key once 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.
- turn off an incoming call alert


Making a Call

	Press	To
1	keypad keys	dial the phone number
2		make the call
3		end the call and “hang up” the phone when you are finished




Tip: You can also close the phone flip to end the call.

Answering a Call

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


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

If the phone flip is **not** active:

	Press	To
1	 or ANSWER ()	answer the call
2		end the call and “hang up” the phone when you are finished

Viewing Your Phone Number

To view your phone number from the home screen, press  .

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

Note: Your phone number must be stored on your SIM card to use this feature. To store your phone number on the SIM card, see page 54. If you do not know your phone number, contact your service provider.



Highlight Features

You can do much more with your phone than make and receive calls! This section describes some of your phone's highlight features.

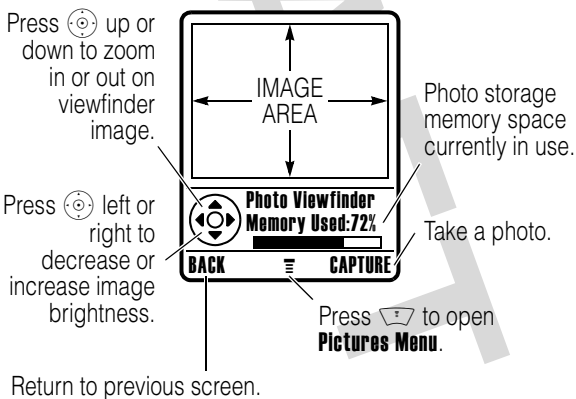
Taking and Sending a Photo

Shortcut: From the home screen, press **CAMERA** (📷) to activate the camera.

To activate your phone's camera:

Find the Feature 📱 > **Multimedia** > **Camera**

The active viewfinder image appears on your display.



Point the camera lens at the photo subject, then:

Press	To
1 CAPTURE (📷)	take a photo
2 STORE (📷)	view storage options
or DISCARD (📷)	delete the photo and return to active viewfinder
	If you choose to store the photo, continue to step 3.
3 (🔄)	scroll to Store Only , Apply as Wallpaper , Apply as Screen Saver , Apply as Phonebook Entry , or Send in Message
4 SELECT (📷)	perform the storage option of your choice

Tip: To take a self portrait: activate the camera, close the flip, use the mirror to aim the camera lens, then press the smart key to take a photo.

When the camera is active, the **Pictures Menu** can include the following options:

Option	Description
Go To Pictures	View pictures and photos stored on your phone.
Auto-Timed Capture	Set a timer for the camera to take a photo.

Option	Description
Delete All	Delete all pictures.
Pictures Setup	Open the setup menu to adjust picture settings.
View Free Space	See how much memory remains for storing pictures.

Sending a Multimedia Message



A *Multimedia Messaging Service (MMS)* *multimedia message* contains one or more slides with text and embedded media objects (including photos, pictures, animations, sounds, and/or voice records). You can send the multimedia message to other wireless phone users, and to email addresses.

Find the Feature

- > Messages
- > Create Message
- > New Multimedia Msg


Press	To
1 keypad keys	enter slide text
2	open the MMS Menu
3	scroll to Insert
4 SELECT ()	display a list of items you can insert
5	scroll to Picture, Voice Record, or Sound
6 SELECT ()	select the file type
7	highlight the file you want

Press	To
8 INSERT (◁)	insert the file
9 ☰	open the MMS Menu
10 ⦿	scroll to Insert
11 SELECT (▷)	display a list of items you can insert
12 ⦿	scroll to New Page
13 SELECT (▷)	insert a new slide after the current slide Repeat steps 1 to 8 to enter contents for the new slide
14 OK (▷)	store the message
15 CHANGE (▷)	select To
16 keypad keys	enter 1 or more phone numbers and/or email addresses
or	
BROWSE (▷)	select numbers/addresses from the phonebook or recent calls lists
17 OK (▷)	store the numbers/addresses
18 CHANGE (▷)	select the Subject
19 keypad keys	enter the subject
20 OK (▷)	store the subject
21 DONE (▷)	finish the message and send it immediately



Receiving a Multimedia Message



When you receive a multimedia message or letter, your phone displays the  (message waiting) indicator and a **New Message** notification, and sounds an alert.

Press	To
READ (◁)	open the message

Multimedia messages that you receive can contain different media objects:

- Inserted photos, pictures, and animations are displayed as you read the message.
- An inserted sound file begins playing when you scroll to and highlight the sound file indicator in the message. Use the volume keys to adjust the volume as the sound file plays.
- Attached files are appended to the message. To open the attachment, highlight the file indicator/filename and press **VIEW** (◁) (image file type), **PLAY** (◁) (sound file), or **OPEN** (◁) (vObject or unknown file type).

Using Bluetooth Wireless Connections

Your phone supports Bluetooth™ wireless connections. You can set up a wireless link with a Bluetooth-enabled headset accessory, speakerphone, or handsfree car kit, or

connect to a computer or hand-held device to exchange and synchronize data.


To connect your phone to a headset accessory or handsfree device:

Find the Feature

- > Settings > Connection
- > Bluetooth Link
- > Handsfree
- > [Look For Devices]

Your phone displays a list of device(s) located within range of the phone. If your phone is already connected to a device, your phone lists the connected device and identifies it with a ✓ (in use) indicator.

To connect to a device, highlight the device name and press **SELECT** (◀).

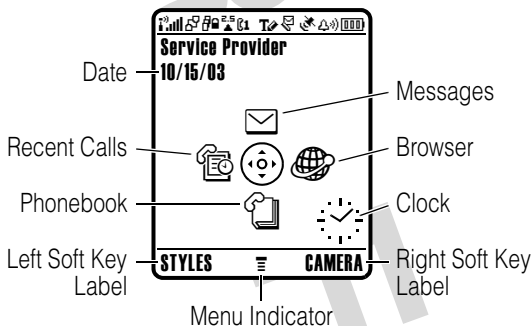
The device may request permission to bond with your phone. Select **YES** (◀) and enter the correct PIN code to create a secure connection with the device. When the connection is made, the  (Bluetooth) indicator appears at the top of the display.


Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display



The *home screen* is displayed when you are **not** on a call or using the menu. You must be in the home screen to dial a phone number.





Press the 5-way navigation key (⊙) left, right, up, or down to select 1 of the menu feature icons in the home screen. If you select a menu icon by mistake, press  to return to the home screen.

Note: Your service provider may customize the home screen so that it looks different than the display shown above. For example, your service provider may hide the

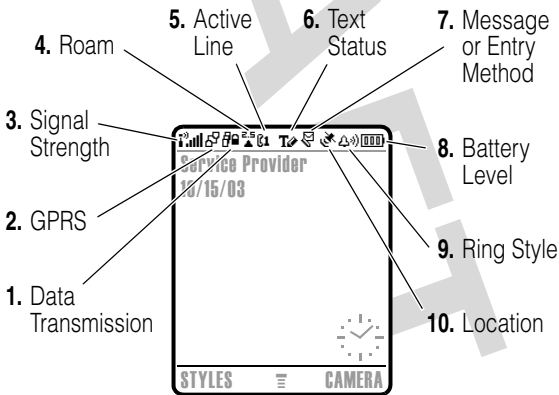
home screen menu icons to allow a better view of the wallpaper image. You can still select the menu icons when they are hidden from view. To show or hide the menu icons, see page 78.

The  (menu) indicator in the bottom center of the display indicates you can press the menu key () to enter the main menu.


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.


Your phone can display an analog or digital clock in the home screen. See page 78.


The following status indicators can appear:





1. Data Transmission Indicator Shows connection and data transmission status. Indicators can include:


 = secure packet data transfer

 = unsecure packet data transfer

 = secure application connection

 = unsecure application connection

 = secure *Circuit Switch Data* (CSD) call

 = unsecure CSD call





2. GPRS Indicator Shows that your phone is using a high-speed *General Packet Radio Service* (GPRS) network connection. GPRS allows faster data transfer speeds. Other

indicators can include:

 = GPRS PDP context active

 = GPRS packet data available

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



4. Roam Indicator Shows when your phone is seeking or using another network outside your home network. Indicators can include:



 = 2.5G home


 = 2.5G roam


 = 2G home

 = 2G roam



5. Active Line Indicator Shows  or  to indicate the current active phone line. Other indicators can include:

 = line 1 active,
call forward on

 = line 2 active, call
forward on

 = alarm activated



6. Text or IM Status Indicator Shows text entry method or case when you are in a text entry screen:

 = symbol method


 = numeric method

 = text method

 = Tap method

 = iTAP method

 = no capital letters


 = capitalize next
letter only

 = all capital letters


When instant messaging is active:


 = IM active


 = available for IM

 = busy

 = invisible to IM

 = available for
phone calls

 = offline

When a Java application is active, a  (java midlet) indicator can display in this location.








7. Message or Text Entry Method Indicator

Displays when you receive a new message. Indicators can include:


 = text message

 = voicemail message

 = voicemail and text message







 = answering machine

 = IM message

 = active chat session

When you enter a multimedia message, a number in this location indicates the size of the message.


In a text entry screen, an indicator shows the text entry method—**Primary** or **Secondary**:

Primary	Secondary	
1	2	Tap, no capital letters
1↑	2↑	Tap, capitalize next letter only
1↑	2↑	Tap, all capital letters
		iTAP, no capital letters
		iTAP, capitalize next letter only
		iTAP, all capital letters

8. Battery Level Indicator Vertical bars show the battery charge level. Recharge the battery when **Low Battery** displays and the battery alert sounds.


9. Ring Style Indicator Shows the ring style setting.

 = loud ring

 = soft ring

 = vibrate

 = vibrate and ring

 = silent



10. Location Indicator

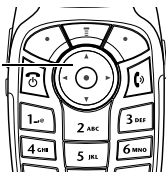
Your phone may be able to send location information to the network during an emergency call. Indicators show when your phone is sending location information:


 = location on

 = location off


Using the 5-Way Navigation Key

5-Way
Navigation
Key




Use the 5-way navigation key () to:

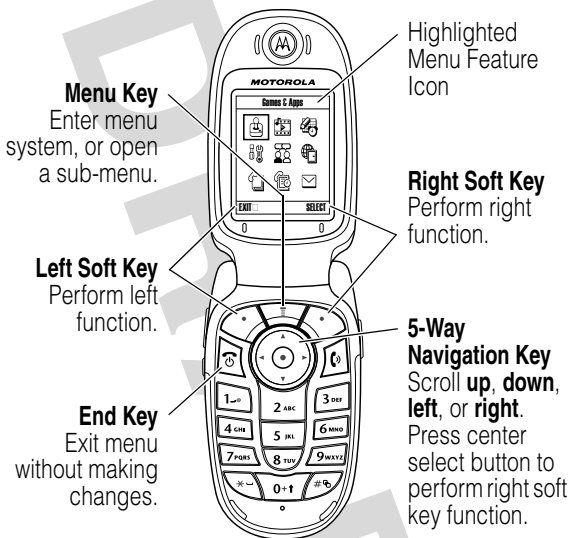
- scroll up, down, left, or right through the menu system
- highlight menu items
- change feature settings
- play games


Press the *center select* button to select a highlighted menu item. The center select button usually performs the same function as the right soft key ()













Using Menus

From the home screen, press  to enter the main menu.



Press  to scroll to and highlight a menu feature icon in the main menu. The following icons represent features that may appear in the main menu, depending on your service provider and service subscription options.

Menu Icon	Feature	Menu Icon	Feature
	Games & Apps		Multimedia
	Tools		Settings




Menu Icon	Feature	Menu Icon	Feature
	IM		Web Access
	Phonebook		Recent Calls
	Messages		Chat

Selecting a Menu Feature

This guide shows you how to select a menu feature, starting from the home screen.

Find the Feature

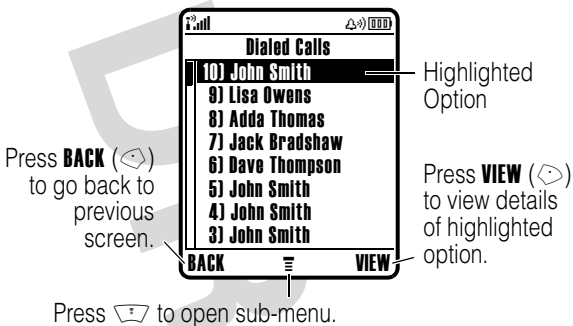
 > Recent Calls > Dialed Calls

This example shows that from the home screen, you must press , scroll to and select **Recent Calls** () from the main menu, then scroll to and select **Dialed Calls**. Press  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 option from a list:

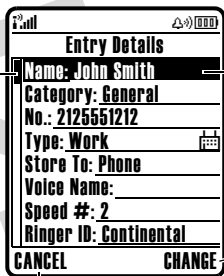


- Press (⊙) to scroll up or down to highlight the option you want.
- In a numbered list, press a number key to highlight the option.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list option.
- When an option has a list of possible values, press (⊙) left or right to scroll through and select a value.
- When an option has a list of possible numeric values, press a number key to set the value.

Entering Text



Some features require you to enter information.

Press  to scroll down to other options.



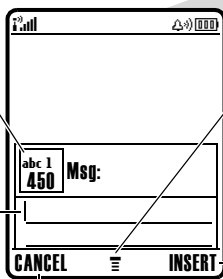
Highlighted Option

Press **CHANGE** () to enter or edit information.

Press **CANCEL** () to exit without making changes. **DONE** () displays when you enter or edit information.


The message center lets you compose and send text messages.


For indicator information, see pages 31 & 32.



Flashing cursor indicates insertion point.

Press  to open sub-menu.

Press **INSERT** () to insert a quick note, picture, or sound.




Press **CANCEL** () to exit without making changes.




Using Tap Method

This is the standard method for entering text on your phone.

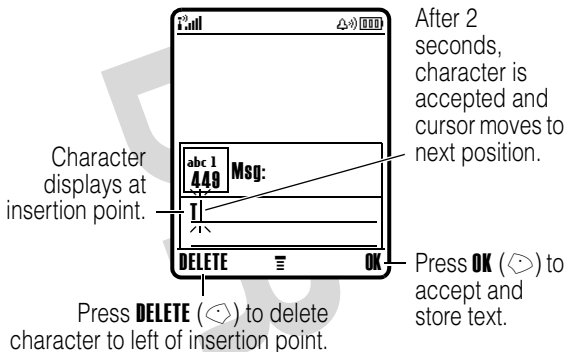
Regular **Tap** method cycles through the letters and number of the key you press. **Tap Extended** method also cycles through additional symbols as shown in the “Character Chart” on page 40.

Press	To
1 A keypad key 1 or more times	select a letter, number, or symbol
2 Keypad keys	enter remaining characters
	Tip: Press  right to accept a word completion, or  to insert a space.
3 OK ()	store the text

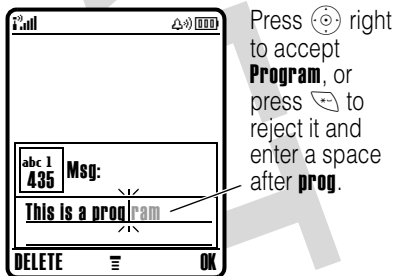
In a text entry screen, you can press  to switch entry methods. An indicator shows which method is active (see page 32). If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry method, see page 46.



When you enter text with the **Tap** or **Tap Extended** method, the soft key functions change.



When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:



If you want a different word (such as **progress**), continue pressing keypad keys to enter the remaining characters.



Character Chart

Use this chart as a guide for entering characters with the **Tap Extended** method.

1-	. 1 ? ! , @ _ & ~ : ; " - () ' ¿ ¡ % £ \$ ¥ ¤ € + x * / \ [] = > < # §
2=	a b c 2 ä å á à â ã α β ç
3=	d e f 3 δ ë é è ê φ
4=	g h i 4 ï í î γ
5=	j k l 5 λ
6=	m n o 6 ñ ö ø ó ò ô õ ω
7=	p q r s 7 π β σ
8=	t u v 8 θ ü ú ù û
9=	w x y z 9 ξ ψ
0+1	<i>change text case, for capital letters</i>
*	<i>enter a space (hold to enter a return)</i>
*	<i>change text entry method (hold for default)</i>

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor, **1-** first shows the common characters for that editor.

Tap Method Text Entry Rules

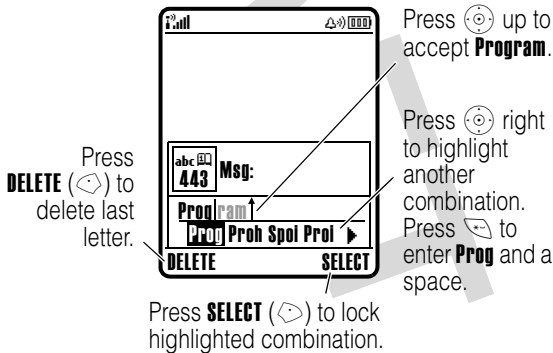
- Press a keypad key repeatedly to cycle through its characters.
- After 2 seconds, **Tap** method accepts the character, and the cursor moves to the next position.

- Press left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. If necessary, press down to force the character to lowercase before the cursor moves to the next position.
- If you enter or edit information and do not want to save the changes, press to exit without saving.

Using iTAP™ Method


iTAP™ software provides a predictive text entry method that lets you enter a word using 1 keypress per letter. This can be faster than **Tap** method, because your phone combines the keypresses into common words.




For example, if you press , letter combinations that match your keypresses display:



If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining characters.

Entering Words

In a text entry screen, you can press  to switch entry methods. An indicator tells you which method is active (see page 32). If **ITAP** method is not available as the **Primary** or **Secondary** entry method, see page 46.




Press	To
1 Keypad keys (1 press per letter)	show possible letter combinations at the bottom of the display
2  left or right	highlight the combination you want
3 SELECT ()	lock a highlighted combination You can press keypad keys to add more letters to the end of the combination.
or	
	enter the highlighted combination when it spells a word A space is automatically inserted after the word.

If you enter a word your phone does not recognize, the phone stores it to use as 1 of your word options. When you

fill memory space for unrecognized words, your phone deletes the oldest words to add new words.



Using Symbol Method

In a text entry screen, press  to switch entry methods until the @ (symbol) indicator displays in the status bar.











Press	To
1 Keypad keys (1 press per symbol)	show possible symbol combinations at the bottom of the display
2  left or right	highlight the combination you want
3 SELECT ()	lock a highlighted combination
	You can press keypad keys to add more symbols to the end of the combination.
or	
	enter the highlighted combination


Symbol Chart

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


	. ? ! , @ _ & ~ : ; " - () ' ` `
	¡ % £ \$ ¥ ¤ €
	@ _ \




	/ : ;
	" & '
	() [] { }
	? ! ~
	< > =
	\$ £ ¥ ¤ €
	# % *
	+ - x * / = > < # §
	<i>enter a space (hold to enter a return)</i>
	<i>change text entry method (hold for default)</i>

Note: This chart may not reflect the exact character set available on your phone. In an email address or URL editor,  first shows the common characters for that editor.

Using Numeric Method

In a text entry screen, press  to switch entry methods until you see the 123 (numeric) indicator in the status bar.

Press keypad keys to enter the numbers you want. When you finish entering numbers, press  to switch to another entry method.

Deleting Letters and Words

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

Action

Press **DELETE** (↵) to delete 1 letter at a time.


Hold **DELETE** (↵) to delete the entire message.

Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.


Press  in any text entry screen to change to 1 of the following entry methods:

- Primary** The primary text entry method (see below to set).
- Numeric (123)** Enter numbers only (see page 44).
- Symbol (@)** Enter symbols only (see page 43).
- Secondary** The secondary text entry method (see below to set).

Alternatively, you can select a text entry method in any text entry screen by pressing  > **Entry Mode**.



Using Capitalization

Press  in any text entry screen to change text case. The following indicators show capitalization status:

abc = no capital letters

Abc = capitalize next
letter only

ABC = all capital letters

Setting Up a Text Entry Method

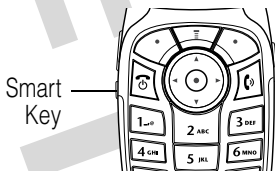
Press  > **Entry Setup** from any text entry screen. Select **Primary Setup** or **Secondary Setup**, and choose:

- | | |
|---------------------|--|
| None | Hide the Secondary setting (only available for Secondary Setup). |
| ITAP | Let the phone predict each word as you press keys (see page 41). |
| Tap | Enter letters and numbers by pressing a key 1 or more times (see page 38). |
| Tap Extended | Enter letters, numbers, and symbols by pressing a key 1 or more times (see page 38). |

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, turn features on and off,



and open your phonebook. The smart key usually performs the same function as the right soft key (⏏).

Tip: To take a self portrait: activate the camera, close the flip, use the mirror to aim the camera lens, then press the smart key to take a photo.

Using the External Display

When the flip is closed, the external display shows time, date, and phone status information. 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 home screen

Adjusting Voice Call Forwarding



Tip: You must store a forwarding number to use this feature (see page 72).

Press	To
1 volume keys	scroll to Forward
2 smart key	select All Calls or Off
3 volume keys	return to the home screen



Return 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	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 handsfree device with this feature.

Using the Handsfree Speaker

When you activate your phone's integrated handsfree speaker, you can talk to the other party without holding the phone to your ear.

Press **SPEAKER** (◁) to turn the handsfree speaker on or off during a call. A loud alert confirms activation/deactivation.

When you turn the handsfree speaker on, your phone displays **Speaker On** in the home screen. The handsfree speaker remains on until you press **SPEAKER** (◁) again or turn the phone off.

Note: The handsfree speaker is disabled when you connect your phone to a handsfree car kit or headset accessory.

Changing a Code, PIN, or Password

Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Your service provider may reset these codes before you receive your phone.

If your service provider has **not** reset these codes, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain 4 digits, and the security code must contain 6 digits.

You can also reset your SIM card PIN code, PIN2 code, and/or call barring password if necessary.

To change a code or password:

Find the Feature

 > Settings > Security
> New Passwords

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 on your phone even when it is locked (see page 61).




Locking Your Phone Manually

Find the Feature


 > **Settings** > **Security**
> **Phone Lock** > **Lock Now**

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

Unlocking Your Phone

 **i** **Tip:** Your phone's unlock code is originally set to 1234. Many service providers reset the unlock code to the last 4 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



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

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

If You Forget a Code, PIN, or Password

Note: Your phone's 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Many service providers reset the unlock code to the last 4 digits of your phone number before you receive your phone.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, do the following at the **Enter Unlock Code** prompt:

Press	To
1 	display the unlock code bypass screen
2 keypad keys	enter your security code
3 OK ()	submit your security code

If you forget your security code, SIM card PIN code, PIN2 code, or call barring password, contact your service provider.

Using the Phonebook

This section brief describes basic phonebook operations. For more information about using the phonebook, see page 75 and the *More Here* guide.



Storing a Phone Number

Enter a phone number in the home screen, then press **STORE** (☞) to create a phonebook entry with that number. Fill in the other fields to complete the entry.

Select **MORE** to store another number (for example, a work number) under the same **Name**.

Recording a Voice Name

When creating a phonebook entry, scroll to **Voice Name** and press **RECORD** (☞). Press and release the voice key and say the entry's name (within 2 seconds). When prompted, press and release the voice key and repeat the name. Press **DONE** (☞) to store the voice name.

Note: This option is not available for entries stored on the SIM card.

Dialing a Number

Press ☰ > **Phonebook** > *entry to call*.

Voice Dialing a Number



Press and release the voice key, and say the entry's name (in 2 seconds).

Sorting Phonebook Entries

Press ☰ > **Phonebook** > **Setup** > **Sort by**, then select whether you want to sort the phonebook list by **Name**, **Speed No.**, **Voice Name**, or **Email**.



When sorting by name, you can view **All** numbers or just the **Primary** number for each name. To set the primary number for a name, see page 77.

Viewing Entries By Category

Press  > **Phonebook**, press  > **Categories**, then select whether you want to view **All** entries, entries in a predefined category (**Business, Personal, General, VIPs**), or entries in a category you created.

To set the category for a phonebook entry, see page 76.

Setting Picture Caller ID View

Press  > **Phonebook**, press  > **Setup** > **View by** > **Picture**.

To assign a photo to a phonebook entry, see pages 3 and 22.



Setting Up Your Phone



Storing Your Name and Phone Number



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

Find the Feature

 > Settings > Phone Status
> My Tel. Numbers

Shortcut: Press   from the home screen to edit your name and phone number.

If you do not know your phone number, contact your service provider.

Setting the Time and Date

You must set the time and date to use the datebook.

Find the Feature

 > 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 1 of 5 different ring styles. The ring style indicator in the display shows the current ring style (see pages 29 and 33).

To set a ring style:

Find the Feature

 > **Settings** > **Alert 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  > **More** > **Ring Styles** > **Style Detail**.

Setting Answer Options

You can use additional, alternative methods to answer an incoming call.

Multi-Key

answer by pressing any key





Open to Answer

answer by opening the flip

To activate or deactivate an answer option:

Find the Feature

 > **Settings** > **In-Call Setup**
> **Answer Options**

Press	To
1 	scroll to Multi-Key or Open to Answer
2 CHANGE ()	select the option
3 	scroll to On or Off
4 SELECT ()	confirm the setting












Setting a Wallpaper Image

You can set a photo, picture, or animation as a wallpaper (background) image in your phone's home screen.

Find the Feature

 > **Settings** > **Personalize**
> **Wallpaper**

	Press	To
1		scroll to Picture
2	CHANGE ()	open the picture viewer
3	 up or down	scroll to a picture/animation Scroll to (None) to turn off the wallpaper image.
4	SELECT ()	select the image
5		scroll to Layout
6	CHANGE ()	adjust the image layout
7		scroll to Center , Tile , or Fit-to-screen Center places the image in the center of the display. Tile fills the display with adjacent copies of the image. Fit-to-screen resizes the image, if necessary, to fit the display.
8	SELECT ()	confirm the layout setting
9	BACK ()	save wallpaper settings



Setting a Screen Saver Image

You can set a photo, picture, or animation as a screen saver image.

The screen saver image displays when the flip is open and no activity is detected for a period of time. The image shrinks to fill the display, if necessary. An animation repeats for 1 minute, then the first frame of the animation displays.

Tip: Turn off the screen saver to extend battery life.

Find the Feature



> **Settings** > **Personalize**
> **Screen Saver**

Press	To
1	scroll to Picture
2 CHANGE (open the picture viewer
3 up or down	scroll to a picture/animation Scroll to (None) to turn off the screen saver image.
4 SELECT (select the image
5	scroll to Delay
6 CHANGE (set the delay interval
7	scroll to the inactivity interval that triggers the screen saver
8 SELECT (confirm the delay setting
9 BACK (save screen saver settings



Setting Display Contrast

Find the Feature

 > **Settings** > **Initial Setup**
> **Contrast**

Setting Display Color

You can select the color palette that your phone uses to display indicators, highlights, and soft key labels.

Find the Feature

 > **Settings** > **Personalize**
> **Color Style**

Adjusting the Backlight

You can set the amount of time that the display and keypad backlights remain on, or turn off backlights to extend battery life.

Find the Feature

 > **Settings** > **Initial Setup**
> **Backlight**



Calling Features

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

Changing the Active Line



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




Note: This feature is available only for dual-line-enabled SIM cards.

Find the Feature

 > **Settings** > **Phone Status**
> **Active Line**

The active line indicator in the display shows the current active phone line (see page 29).

Redialing a Number

	Press	To
1		view the dialed calls list
2		scroll to the entry you want to call
3		redial the number

Using Automatic Redial



When you receive a busy signal, your phone displays **Call Failed, Number Busy**.



With automatic redial, your phone automatically redials the number. When the call goes through, your phone rings or vibrates 1 time, displays **Redial Successful**, and then connects the call.

You must turn on automatic redial to use the feature. To turn automatic redial on or off:

Find the Feature

 > **Settings** > **Initial Setup**
> **Auto Redial**

When automatic redial is turned off, you can manually activate the feature to redial a phone number. When you hear a busy signal and see **Call Failed, Number Busy**:

Press

 or **RETRY** ()

To

activate automatic redial

Using Caller ID

Incoming Calls



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 (and picture, if available) when the name is stored in your phonebook, or **Incoming Call** when caller ID information is not available.

You can also set your phone to play a distinctive ringer ID for specific entries stored in your phonebook. For more information, see page 75.

Outgoing Calls



You can show or hide your phone number as an ID for the calls that you make.

Find the Feature

 > **Settings** > **In-Call Setup**
> **My Caller ID**

You can override the default caller ID setting when you make a call. While dialing (with digits visible in the display):

Press

To

 > **Hide ID/Show ID**

hide or show your caller ID for the next call

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 1 or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted.



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

Dialing International Numbers

Press and hold  to insert the local international access code (+) for the country from which you are calling.



Viewing Recent Calls

Your phone 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 entries are added.






Shortcut: Press  from the home screen to view the dialed calls list.

Find the Feature

 > Recent Calls

Press	To
1 	scroll to Received Calls or Dialed Calls
2 SELECT ()	select the list



Press	To
3 	scroll to an entry Note: ✓ means the call connected.
4 	call the entry's number Tip: Press and hold  for 2 seconds to send the number as DTMF tones during a call.
or	
VIEW ()	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.
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.







Option	Description
Attach Number	Attach a number from the phonebook or recent calls lists.
Send Tones	Send the number to the network as DTMF tones. Note: This option displays only during a call.
Talk then Fax	Talk and then send a fax in the same call (see page 83).



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 VIEW ()	see the received calls list
2 	select a call to return
3 	make the call

Using the Notepad

The most recent set of digits entered on the keypad are stored in your phone's *notepad* memory. 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 > Recent Calls > Notepad

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



Calling With Speed Dial

Each entry you store in your phonebook is assigned a unique *speed dial* number that identifies the location where the entry is stored in phone memory or on the SIM card.



Tip: To see an entry's speed dial number, press  > **Phonebook**, scroll to the entry, press **VIEW** (.

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 1-Touch Dial

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

Tip: You must specify which phone number list you want to use with this feature: phone memory phonebook, or SIM card phonebook (see page 77).

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

 > Messages > VoiceMail

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

Receiving a Voicemail Message

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

Press	To
CALL ()	listen to the message


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

Storing Your Voicemail Number

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

Find the Feature

 > Messages
 > VoiceMail Setup

Press	To
1 keypad keys	enter your voicemail number
2 OK ()	store the number



Using Call Waiting



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

Press	To
1	answer the new call
2 SWITCH (switch between calls
or	
LINK (connect the 2 calls
or	
> End Call On Hold	end the call on hold

You must turn on call waiting to use the feature. To turn call waiting on or off:

Find the Feature > **Settings** > **In-Call Setup**
> **Call Waiting**

Putting a Call On Hold

Press	To
HOLD () (if available) or	put the call on hold
> Hold	








Transferring a Call



You can announce that you are transferring an active call to another party, or you can directly transfer the call.


Announce the Call Transfer

Find the Feature  > Hold

Press	To
1 keypad keys	dial the number where you are transferring the call
2 	call the number and speak to the person who answers
3 	open the menu
4 	scroll to Transfer
5 SELECT ()	select Transfer
6 OK ()	confirm the transfer.

Do Not Announce the Call Transfer

Find the Feature  > Transfer

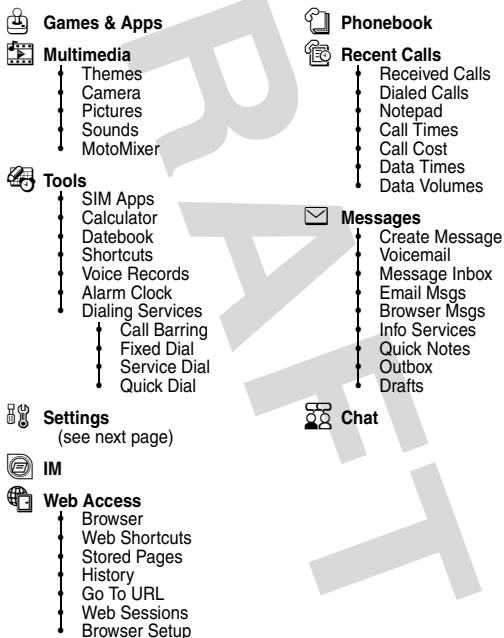
Press	To
1 keypad keys	dial the number where you are transferring the call
2 	transfer the call



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 on your phone.



Settings Menu



Personalize

- Home Screen
- Main Menu
- Color Style
- Greeting
- Wallpaper
- Screen Saver
- Quick Dial



Ring Styles

- Style
- Style Detail
- My Tones



Connection

- Bluetooth Link
- Sync



Call Forward

- Voice Calls
- Fax Calls
- Data Calls
- Cancel All
- Forward Status



In-Call Setup

- In-Call Timer
- Call Cost Setup
- My Caller ID
- Talk and Fax
- Answer Options
- Call Waiting



Initial Setup

- Time and Date
- 1-Touch Dial
- Backlight
- TTY Setup
- Scroll
- Language
- Battery Save
- Contrast
- DTMF
- Master Reset
- Master Clear



Phone Status

- My Tel. Numbers
- Credit Info/Available
- Active Line
- Battery Meter
- Other Information



Headset



Car Settings



Network



Security

- Phone Lock
- Lock Application
- Fixed Dial
- Call Barring
- SIM Pin
- New Passwords



Java Tools

- Java App Loader
- Java System
- Java Debug
- Start TCK
- Remove All Midlets

Shortcuts

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 .

Go to dialed calls list:

Press .

Exit menu system:











Press .



Feature Quick Reference











This sections helps you to locate features on your phone that are not described in this guide. For more detailed information, see the *More Here* guide.

Calling Features

Feature	Description	
Conference Call	During a call:  > Hold , dial next number, press  , press LINK ().	
Call Forwarding	Set up or cancel call forwarding:  > Settings > Call Forward	
Call Barring	Restrict outgoing or incoming calls:  > Settings > Security > Call Barring	
TTY Calls	Set up your phone for use with an optional TTY device:  > Settings > Initial Setup > TTY Setup	








Messages

Feature	Description	
Send Short Text Message	Send a short text message:  > Messages > Create Message > New Short Message	
Send Multimedia Message	Send a multimedia message:  > Messages > Create Message > New Multimedia Msg	
Send Letter	Send a multimedia letter:  > Messages > Create Message > New Letter	
Use MMS Template	Open an MMS template with preloaded media:  > Messages > Create Message > MMS Templates	
Store Message Objects	Go to a multimedia message slide, or highlight an object in a letter, then:  > Store	

Instant Messaging

Feature	Description	
Log In	Log in to instant messaging:  > IM > Log In	





Feature	Description	
Find Others Online	After you sign on: Select Contact List to see a list of other users.	
Start Conversation	Start a conversation: From your Contact List , highlight a name in Online Contacts , press SEND IM (◁).	
Open Active Conversation	Open a conversation in progress: From your Contact List , highlight a name in Conversations , press VIEW (◁).	
End Conversation	From the conversation display: ☰ > End Conversation	
Log Out	Log out of instant messaging: Select Log Out from the IM Online menu.	

Chat

Feature	Description	
Start Chat	Start a new chat session: ☰ > Chat ☰ > New Chat	



Feature	Description	
Receive Chat Request	When you receive a chat request: Press ACCEPT (☞) or IGNORE (☛).	
End Chat	During a chat session: ☞ > End Chat	











Email









Feature	Description	
Send Email Message	Send an email message: ☞ > Messages > Create Message > New Email	
Receive Email Message	Read a new email message that you have received: Press READ (☞).	

Phonebook


Feature	Description
Create Entry	Create a new phonebook entry: ☞ > Phonebook ☞ > New > Phone Number or Email Address
Dial Number	Call a number stored in the phonebook: ☞ > Phonebook > <i>entry to call</i>



Feature	Description
Voice Dial Number	Voice dial a number stored in the phonebook: Press and release the voice key, and say the entry's name (within 2 seconds).
Set Ringer ID for Entry	Assign a distinctive ringer alert to a phonebook entry:  > Phonebook > <i>entry</i>  > Edit > Ringer ID > <i>ringer name</i> Note: This option is not available for entries stored on the SIM card.
Set Category for Entry	Set the category for a phonebook entry:  > Phonebook > <i>entry</i>  > Edit > Category > <i>category name</i> Note: This option is not available for entries stored on the SIM card.
Group Mailing List	Create a group mailing list as a phonebook entry:  > Phonebook  > New > Mailing List
Set Picture Caller ID View	View phonebook entries as text list, or with picture caller ID photos:  > Phonebook  > Setup > View by > <i>list view</i>
Sort Phonebook List	Set the order in which phonebook entries are listed:  > Phonebook  > Setup > Sort by > <i>sort order</i>

Feature	Description
Set Primary Number	Set the primary number for a phonebook entry with multiple numbers:  > Phonebook , scroll to entry, press  > Set Primary > <i>phone number</i> .
Set Category View	Set phonebook category view:  > Phonebook  > Categories > <i>category view</i>
Set Category Light ID	Set a distinctive light pattern to be displayed when you receive calls from phonebook entries in a specific category:  > Phonebook  > Categories , scroll to entry, press  > Edit > Light ID . Note: This option is not available for entries stored on the SIM card.
1-Touch Dial	Set 1-touch dial to call entries stored in your phone memory phonebook or the SIM card phonebook:  > Settings > Initial Setup > 1-Touch Dial



Personalizing Features

Feature	Description
Ring Alert	Change the ring alert for an event:  > Settings > Ring Styles > <i>Style Detail</i> > <i>event name</i>






Feature	Description
Ringer IDs	Activate distinctive ringer alerts assigned to phonebook entries: ☰ > Settings > Ring Styles > <i>Style Detail</i> > Ringer IDs
Ring Volume	Set ringer volume: ☰ > Settings > Ring Styles > <i>Style Detail</i> > Ring Volume
Keypad Volume	Set keypad keypress volume: ☰ > Settings > Ring Styles > <i>Style Detail</i> > Key Volume
Clock View	Display an analog clock or digital time readout in the home screen: ☰ > Settings > Personalize > Home Screen > Clock
Menu View	Display the main menu as graphic icons or as a text-based list: ☰ > Settings > Personalize > Main Menu > View
Main Menu	Reorder your phone's main menu: ☰ > Settings > Personalize > Main Menu > Reorder
Show or Hide Menu Icons	Show or hide menu feature icons in the home screen: ☰ > Settings > Personalize > Home Screen > Home Keys > Icons
Change Soft Keys & Menu Icons	Change soft key labels and menu feature icons in the home screen ☰ > Settings > Personalize > Home Keys






Feature	Description
Shortcuts	<p>Create a shortcut to a menu item: Highlight the menu item, then press and hold .</p> <p>Select a shortcut:  > Shortcuts > <i>shortcut name</i></p>





Menu Features

Feature	Description
Language	<p>Set menu language:  > Settings > Initial Setup > Language</p>
Master Reset	<p>Reset all options <i>except</i> unlock code, security code, and lifetime timer:  > Settings > Initial Setup > Master Reset</p>
Master Clear	<p>Reset all options <i>except</i> unlock code, security code, and lifetime timer, and clear all user settings and entries <i>except</i> SIM card information:  > Settings > Initial Setup > Master Clear</p>

Dialing Features


Feature	Description
Fixed Dial	<p>Turn fixed dialing on or off:  > Settings > Security > Fixed Dial</p> <p>Use the fixed dial list:  > Tools > Dialing Services > Fixed Dial</p> 



Feature	Description
Service Dial	Dial service phone numbers:  > Tools > Dialing Services > Service Dial
Quick Dial	Dial preprogrammed phone numbers:  > Tools > Dialing Services > Quick Dial
DTMF Tones	Activate DTMF tones:  > 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 calls lists, then press  > Send Tones .









Call Monitoring

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.













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

Handsfree Features

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.






Feature	Description
Speakerphone	Activate a connected external speakerphone during a call: Press SPEAKER () (if available) or  > Spkrphone On. 







Feature	Description
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset:  > Settings > Car Settings or Headset > Auto Answer 
Ringer Options (headset)	Set phone or headset to sound the call alert:  > Settings > Headset > Ringer Options 
Voice Dial (headset)	Enable voice dial with headset send/end key:  > Settings > Headset > Voice Dial 
Auto Handsfree (car kit)	Automatically route calls to a car kit when connected:  > 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:  > Settings > Car Settings > Power-Off Delay 
Charger Time (car kit)	Charge the phone for a period of time after the ignition is switched off:  > Settings > Car Settings > Charger Time 






Data and Fax Calls

Feature	Description
Send Data or Fax	Connect your phone to the device, then place the call through the device application. 
Receive Data or Fax	Connect your phone to the device, then answer the call through the device application. 
Talk Then Fax	Connect your phone to the device, enter the number, press  > Dialing Menu > Talk Then Fax , then press  to make the call. 


Bluetooth™ Wireless Connections

Feature	Description
Make Phone Visible to Other Device	Allow an unknown Bluetooth device to discover your phone:  > Settings > Connection > Bluetooth Link > Setup > Find Me 
Connect to Recognized Device	Connect to a recognized handsfree device:  > Settings > Connection > Bluetooth Link > Handsfree > <i>device name</i> 



Feature	Description	
Disconnect From Device	Disconnect from a device: Highlight the device name and press DROP (⏏).	
Switch to Device During Call	Switch to a headset or car kit during a call: ⏏ > Use Bluetooth	
Edit Device Properties	Edit the properties of a recognized device: Highlight the device name and press ⏏ > Edit .	
Set Bluetooth Options	Set your phone's Bluetooth options: ⏏ > Settings > Connection > Bluetooth Link > Setup	










Network Features

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





Personal Organizer Features

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





Feature	Description
View Datebook Event	View or edit event details:  > Tools > Datebook > <i>day</i> > <i>event name</i>
Event Reminder	View event reminder: VIEW () Dismiss event reminder: EXIT ()
Set Alarm	Set an alarm:  > Tools > Alarm Clock
Turn Off Alarm	Turn off alarm: Press DISABLE () or  Set 8-minute delay: Press SNOOZE ()
Create Voice Record	Create a voice record: Press and hold voice key, speak voice record, release voice key. Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.
Play Voice Record	Play back a voice record:  > Tools > Voice Records > <i>voice record</i>
Calculator	Calculate numbers:  > Tools > Calculator



Feature	Description
Currency Converter	Convert currency:  > Tools > Calculator  > Exchange Rate Enter exchange rate, press OK () enter amount, press  > Convert Currency .







Security

Feature	Description
SIM PIN	Lock or unlock the SIM card:  > Settings > Security > SIM PIN Caution: If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked .
Lock Application	Lock phone applications:  > Settings > Security > Lock Application





News and Entertainment

Feature	Description
Launch Micro-Browser	Start a micro-browser session:  > Web Access > Browser



Feature	Description
Download Objects from Web Page	Download a picture, sound, or phone theme from a Web page: Highlight the file, press SELECT (◁), press STORE (▷). 
Web Sessions	Select or create a Web session: ◁ > Web Access > Web Sessions 
Apply Phone Theme	Apply a grouped set of image and sound files to your phone: ◁ > Multimedia > Themes > <i>theme</i> 
Download Game or Application	Download a Java game or application: ◁ > Web Access > Browser , highlight the application, press SELECT (◁), press DOWNLOAD (▷). 
Launch Game or Application	Launch a Java game or application: ◁ > Games & Apps , highlight the application, press SELECT (◁). 
Manage Pictures	Manage pictures and animations: ◁ > Multimedia > Pictures 



Feature	Description
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded:  > Multimedia > Sounds
Edit Sounds With MotoMixer	Edit MIDI-based sound files that you can use with your phone:  > Multimedia > MotoMixer > [New Mix] or <i>mix file name</i>
Create Ring Tones	Create ring tones that you can use with your phone:  > Settings > Alert Styles > My Tones > [New Tone]
Camera	Adjust light level and other settings for the integrated camera:  > Multimedia > Camera



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

described in this user guide, is 0.5 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.

Consumer Information on Wireless Phones from the FDA



The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

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

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

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

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

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

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

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

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

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

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

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

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

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

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

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

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

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

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

Do handsfree kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that handsfree kits reduce risks. Handsfree kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “handsfree” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) *charged two companies* that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

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.	

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Online Product Registration:

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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.

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Thank you for choosing a Motorola product.

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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.

Index

A

- accessories 15, 72
- accessory 48
- accessory connector port 1
- active line indicator 29, 31
- alarm clock 85
- alert
 - defined 54
 - downloading 73, 87
 - setting 77
 - turning off 20, 61
- animation
 - downloading 73, 87
 - screen saver 57
 - viewing 87
 - wallpaper 56
- answering a call 21, 55
- application, locking and
 - unlocking 86
- automatic redial 59

B

- backlight 58
- barring calls 72
- battery
 - charging 16
 - extending battery life 17, 57, 58

- installing 16
- level indicator 29, 32
- block cursor 39
- Bluetooth 3, 26, 83, 84
- browser
 - menu feature icon 28

C

- calculator 85
- call
 - adding digits after phone number 63
 - alert, setting 77
 - alert, turning off 20, 61
 - answer options 55
 - answering 21
 - barring 72
 - barring password,
 - changing 49
 - call waiting 68
 - costs 81
 - deleting 62
 - dialed calls list 62
 - dialing 20
 - emergency number 61
 - ending 20, 21
 - forwarding 72

- handsfree speaker,
 - activating 48
- hold 68
- international access code
 - 62
- making 20
- received calls list 62
- receiving 21
- recent calls 62
- ring style, setting in
 - external display 47
- speakerphone 81
- storing 62
- talk then fax 64
- timers 81
- transferring 69
- unanswered call 48, 64
- Call Failed, Number Busy**
 - message 59
- call forwarding
 - setting in external display 47
- call waiting 68
- caller ID 3, 23, 53, 60, 63, 76
- calling line identification.
 - See caller ID
- camera
 - self portrait 23, 47
 - settings 88
 - taking a photo 2, 22
- capitalization, changing 46
- car kit 81
- center select button, defined 33
- character chart 40
- chat 74
- clock
 - illustration 28
 - selecting analog or digital 78
 - setting 54
- codes
 - changing 49
 - default 49, 50, 51
 - forgetting 51
- color, setting 58
- conference call 72
- contrast, setting 58
- cursor 37
- customizing the menu 78
- D**
- data call 83
- date, setting 54
- datebook 84, 85
- deleting a call 62
- dialed calls list 62
- dialing
 - fixed numbers 79
 - quick dial numbers 80
 - service numbers 80
- dialing a number 20
- display

backlight 58
color 58
contrast 58
description 28
home screen, defined 28
language 79
menu icons, personalizing 78

personalizing 78

distinctive ringer alert 78

DTMF tones

activating 80

sending 63, 64, 80

E

earpiece volume 20

email

receiving 75

sending 75

emergency number 61

end key 1, 20, 21, 34

ending a call 20, 21

Enter Unlock Code message 50, 51

event alert 77

external display 47

handsfree use with 48

F

fax call 64, 83

5-way navigation key 34

fixed dial 79

flashing cursor 37

flip

external display 47

open to answer 21, 55

screen saver 57

forwarding calls 72

4-way navigation key 1, 33

G

games 87

GPRS indicator 29, 30

groove tunes 88

H

handsfree speaker,
activating 48

handsfree use 81

headset

accessory, using 81

using with external

display 48

headset jack 1

Hide ID feature 63

hold a call 68

home keys, personalizing
78

home screen 28

selecting clock view 78

I

IM 73

- in use indicator 29
- incoming call
 - forwarding 72
- Incoming Call** message 60
- indicators
 - active line 29, 31
 - battery level 29, 32
 - GPRS 29, 30
 - in use 29
 - location 29
 - loud ring style 33
 - menu 28
 - message 32
 - message waiting 26, 29
 - missed call 64
 - ring style 29, 33
 - roam 29, 30
 - signal strength 29, 30
 - silent alert 33
 - silent ring style 33
 - soft ring style 33
 - text entry method 29, 31, 32
 - transmission 30
 - vibrate and ring style 33
 - vibrate style 33
 - voicemail message 32, 67
- instant messaging. *See* IM
- international access code 62
- iTAP software 41

J

- Java applications 87
- joystick 1, 34

K

- key
 - end 1, 20, 21, 34
 - 5-way navigation 34
 - 4-way navigation 1, 33
 - left soft key 1, 29, 34, 78
 - menu 1, 34, 35
 - power 1, 19
 - right soft key 1, 29, 34, 78
 - send 1, 20, 21, 62
 - smart 46
 - smart key 1
 - voice 1
 - volume control 1, 20
- keypad
 - answering calls 55
 - backlight 58
 - volume, setting 78
- keys
 - center select 33

L

- language, setting 79
- left soft key
 - functions 1, 29, 34
 - personalizing 78

light ID, setting 77
location 33
location indicator 29
indicators 33

lock
application 86
phone 49
SIM card 86

Low Battery message 32

M

making a call 20
master clear 79
master reset 79
menu
entering text 37
icons, changing in idle
display 78
icons, converting to text
78
icons, described 28
icons, showing or hiding
78
language, setting 79
lists 36
navigating 34
personalizing 78
rearranging features 78
using features 36
view, changing 78
menu indicator 28
menu key 1, 34, 35

message
chat 74
menu feature icon 28
MMS template 73
multimedia letter 73
multimedia message 73
text 73

message indicator 32
message waiting indicator
26, 29

messages menu feature
icon 28

micro-browser
browser setup 87
Java applications 87
using 86
Web sessions 87

missed call indicator 64

Missed Calls message 48, 64

MMS, defined 24

MMS. *See* message

More Here guide 14

MotoMixer 88

multimedia letter, sending
73

multimedia message
receiving 26
sending 24, 73

multimedia messaging
service. *See*
message

my telephone number 21,
54, 71

N

network settings 84
notepad 64
number
 storing your number 54
 viewing your number 21,
 71
numbers, entering 44

O

1-touch dial
 setting preference 77
 using 66
open to answer 55
optional accessory, defined
 15
optional feature, defined 14

P

passwords. *See* codes
phone
 active line indicator 31
 active line, changing 59
 alert, setting 77
 alert, turning off 20, 61
 answer options 55
 clear stored information
 79

codes 49
date, setting 54
flip 21
keypad, answering calls
 55
language, setting 79
locking 49
network settings 84
reset all options 79
security code 49
time, setting 54
turning on/off 19
unlock code 49
unlocking 19, 49, 50, 51
phone number
 active line indicator 31
 active line, changing 59
 adding digits after 63
 attaching 2 numbers 64,
 65
 international access code
 62
 redialing 59
 storing in phonebook 75
 storing your number 54
 viewing your number 21,
 71
phone theme 3, 87
phonebook
 attaching 2 numbers 64,
 65
 category views 53, 77

- dialing a number 75
- entry category 76
- group mailing list 76
- light ID 77
- menu feature icon 28
- 1-touch dial 66
- picture caller ID 3, 23, 53, 76
- primary number, setting 77
- ringer ID 76, 78
- sorting entries 52, 76
- speed dial number 65
- storing an entry 75
- voice dialing 76
- photo
 - downloading 73, 87
 - picture caller ID 3, 23, 53, 76
 - self portrait 23, 47
 - sending 2, 22
 - taking 2, 22
- picture
 - downloading 73, 87
 - screen saver 57
 - viewing 87
 - wallpaper 56
- picture caller ID 3, 53, 76
- picture caller ID, setting 23
- PIN code
 - changing 49
 - entering 86

- PIN2 code
 - changing 49
- power key 1, 19
- predictive text entry 41
- primary text entry method 45

Q

- quick dial 80

R

- received calls list 62
- recent calls 62
- recent calls menu feature icon 28

redial

- automatic redial 59
- busy number 59
- reference guide 14
- right soft key
 - functions 1, 29, 34
 - personalizing 78
- ring alert
 - setting 77
 - turning off 20, 61
- ring style
 - personalizing 77
 - setting 20, 54
 - setting in external display 47
- ring style indicators 29, 33
- ring tone

- creating 88
- downloading 73, 87
- editing with MotoMixer 88
- managing 88
- ringer ID
 - setting 76
 - turning on/off 78
- ringer volume, setting 20, 78
- roam indicator 29, 30

S

- screen saver 57
- secondary text entry
 - method 45
- security code
 - changing 49
 - default 49
 - forgetting 51
- send key 1, 20, 21, 62
- service dial 80
- shortcuts 71, 79
- Show ID** feature 63
- signal strength indicator 29, 30
- silent alert indicator 33
- silent ring alert, setting 54
- silent ring style, setting 20
- SIM Blocked** message 19, 86
- SIM card
 - defined 15
 - installing 15

- locking 86
- PIN code entry 19
- PIN code, changing 49
- PIN2 code, changing 49
- precautions 15
- SIM Blocked** message 19, 86
- SIM PIN code
 - changing 49
 - entering 86
- SIM PIN2 code
 - changing 49
- smart key
 - defined 46
 - functions 46
 - illustration 1
 - taking self portrait 23, 47
 - using with external display 47
- soft keys
 - functions 29, 34
 - illustration 1
 - labels 28
 - personalizing 78
- sound
 - creating 88
 - downloading 73, 87
 - managing 88
- Speaker On** message 48
- speakerphone
 - activating 81
 - automatic answer 82

- speed dial
 - using 65
- standby time, increasing
 - 57, 58
- storing a call 62
- symbol chart 43
- symbols, entering 43

T

- talk then fax call 64
- tap method text entry 38
- telephone number
 - storing your number 54
 - viewing your number 21, 71

- text 46
 - block cursor 39
 - character chart 40
 - entering 37
 - entry method, selecting 45
 - entry method, setup 46
 - flashing cursor 37
 - iTAP software predictive
 - text entry 41
 - numeric method 44
 - symbol chart 43
 - symbol method 43
 - tap method 38
- text case indicator
 - indicators
 - text case 31

- text entry method
 - selecting 45
 - setup 46
- text entry method indicator
 - 29, 31, 32

- theme 3, 87
- time, setting 54
- timers 81
- transfer a call 69
- transmission indicator 30
- travel charger 17
- TTY device 72

U

- unlock
 - application 86
 - phone 49
- unlock code
 - bypassing 51
 - changing 49
 - default 49, 50, 51
 - entering 19, 50
 - forgetting 51

V

- vibrate alert
 - setting 77
 - turning off 20, 61
- vibrate ring alert, setting 54
- vibrate ring style
 - setting in external display 47

vibrate ring style, setting 20
video clip
 downloading 73, 87
voice dial 76, 82
voice key
 dialing a number 76
 illustration 1
voice record 85
voicemail 66
voicemail message indicator
 32, 67
volume
 earpiece 20
 keypad 78
 ringer 20, 78
volume keys 1, 20

W

wallpaper 56
warranty 96
Web pages 86
Web sessions 87

DRAFT



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 handsfree device.** If possible, add an additional layer of convenience to your wireless

phone with one of the many Motorola Original™ handsfree 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.



DRAFT

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

