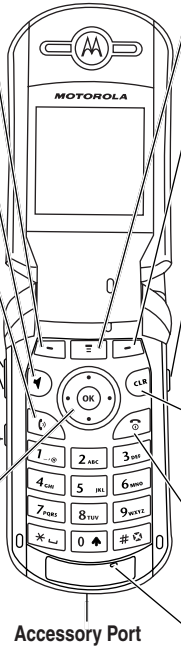
MOTOROLA
intelligence everywhere™

MOTOMANUAL

V260/V262
CDMA

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V260/V262 wireless phone.



Left Soft Key
Perform functions identified by left display prompt.

Speakerphone Key

Send Key
Make & answer calls, view recently dialed calls list.

Volume Keys
Adjust earpiece & ringer volume.

Smart/ Speakerphone Key
Select menu items, set ring styles.

5-Way Navigation Key
Scroll through menus & lists, set values. Press OK key in center to select highlighted item.

Menu Key

Right Soft Key
Perform functions identified by right display prompt.

Voice Recognition Key
Activate speaker-independent voice recognition, record voice records, & contacts.

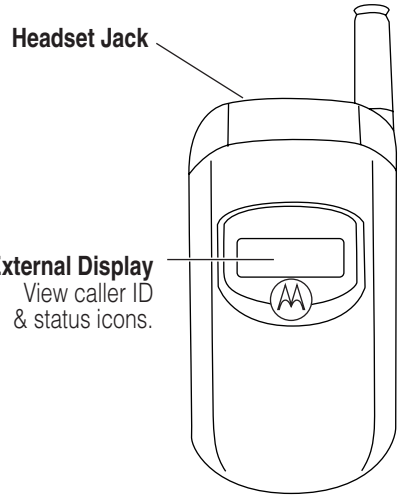
CLR Key
Clear entries, move back through menus.

Power/End Key
Turn phone on/off, end phone calls, exit menus.

Accessory Port

Microphone

Check It Out!



Feature	Description
Send Multimedia Message	Send a multimedia message with pictures, animations, and sounds: Press ⊙ to scroll to ✉ (**Message Center**), then > **Create Message** > **New MMS Msg**

Feature	Description
Send Text Message	Send a text message: Press ⊙ to scroll to ✉ (**Message Center**), then > **Create Message** > **New Short Msg**
Read Multimedia Message	Read a new multimedia message or letter that you have received: Press **READ** (−).

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

www.hellomoto.com
1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States for hearing impaired)
1-800-461-4575 (Canada)

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

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners.

© Motorola, Inc. 2004

The information contained in Motorola's user's guides is believed to be correct at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice. The contents of Motorola's user's guides are provided "as is." Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability, or contents of this guide.

Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

Manual number: 6809490A03-O

Contents

Getting Started 8
About This Guide 8
Installing the Battery 8
Battery Use 10
Charging the Battery 11
Removing a Flip Cover 12
Attaching a Flip Cover 12
Turning On Your Phone 12
Adjusting Volume 13
Making a Call 14
Answering a Call 14
Changing the Call Alert 15
Viewing Your Phone Number 16
Highlight Features 17
Sending a Multimedia Message 17
Receiving a Multimedia Message 20
TTY Operation 21
Learning to Use Your Phone 24
Using the Display 24
Using the 5-Way Navigation Key 26
Using Menus 27
Entering Text 30
Using the Handsfree Speaker 39
Using the External Display 40
Changing a Code, PIN, or Password 42
Locking and Unlocking Your Phone 42
If You Forget a Code, PIN, or Password 44

Setting Up Your Phone 45
Storing Your Name and Phone Number 45
Setting an Alert Style 45
Setting Answer Options 46
Setting a Wallpaper Image 47
Setting a Screen Saver Image 48
Setting Display Contrast 49
Adjusting the Backlight 49
Hiding or Showing Location Information 50
Conserving Battery Power 51
Calling Features 52
Changing the Active Line 52
Redialing a Number 52
Using Automatic Redial 52
Turning Off a Call Alert 53
Calling an Emergency Number 53
Using AGPS During an Emergency Call 54
Viewing Recent Calls 55
Returning an Unanswered Call 56
Using the Notepad 57
Attaching a Number 58
Calling with Speed Dial 58
Calling with 1-Touch Dial 58
Using Voicemail 59
Phone Features 61
Main Menu 61
Calling Features 63
Messages 63
Contacts 65
Personalizing Features 68
Menu Features 75

Dialing Features 76
Call Monitoring 76
Handsfree Features 77
Data and Fax Calls 79
Network Features 79
Personal Organizer Features 80
Security. 81
News and Entertainment 82
Specific Absorption Rate Data 83
Index 85

Getting Started

CAUTION: Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

About This Guide

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

Optional Features

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

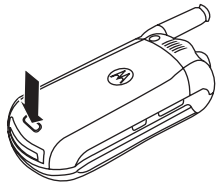
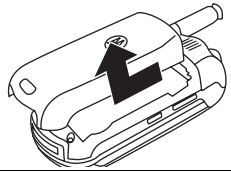
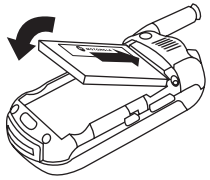
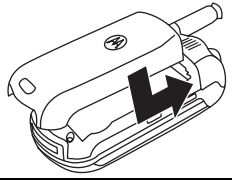
Optional Accessories

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

Installing the Battery

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

Your phone is designed to use only Motorola Original batteries and accessories.

Action	
1 Press the release button on the battery cover.	
2 Slide the cover back, then lift it away from the phone.	
3 Insert the battery with the tabs toward the front and facing down.	
4 Lower the battery cover onto the phone, then slide it forward until it clicks into place.	

Battery Use

Battery life depends on the network, signal strength, temperature, features, and accessories you use.

Always use Motorola Original™ batteries and chargers. The warranty does not cover damage caused by non-Motorola batteries and/or chargers.

New batteries or batteries stored for a long time may take more time to charge.

When charging your battery, keep it near room temperature.

When storing your battery, keep it uncharged in a cool, dark, dry place, such as a refrigerator.

Never 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.

It is normal for batteries to gradually wear down and require longer charging times. If you notice a change in your battery life, it is probably time to purchase a new battery.

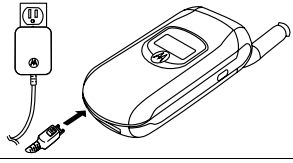
Contact your local recycling center for proper battery disposal.

Warning: Never dispose of batteries in a fire because they may explode.

Before using your phone, read the battery safety information in the “Safety and General Information” section included in this guide.

Charging the Battery

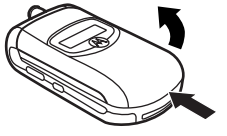
New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery as described below. Some batteries perform best after several full charge/discharge cycles.

	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.

Note: When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete. At least 1 segment of the battery level indicator must be visible to ensure full phone functionality while charging.

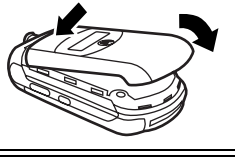
Removing a Flip Cover

Action
Insert your fingertip or fingernail into the slot at the base of the flip cover, then **firmly** pull up and lift the cover from the phone. 

Notes:

- Do not use tools to remove a flip cover. Using tools to remove a flip cover will damage the cosmetic appearance of the phone.
- The flip cover is attached tightly to the phone. Considerable force is required to remove it.

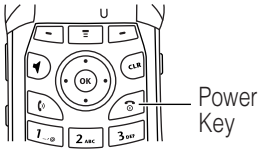
Attaching a Flip Cover

Action
Insert the tabs at the top of the cover into the slots at the top end of the phone, then push the cover down to snap it into place. 

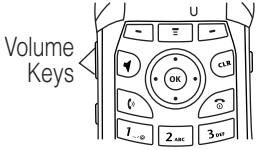
Turning On Your Phone

	Action
1	Open your phone.

	Action
2	Press and hold the power key for 3 seconds. The phone may require several seconds to power on.
3	If necessary, enter your 4-digit unlock code (the last 4 digits of your phone number) and press **OK** (−) to unlock the phone.



Adjusting Volume

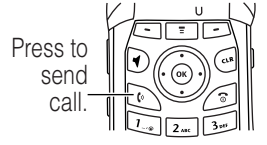


Press the up or down volume keys to:

- 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—see “Adjusting Volume” on page 13)
- turn off an incoming call alert

Making a Call

	Action
1	Dial the number. **Tip:** If you make a mistake, press the clear key to delete the last digit. Press and hold to clear all digits.
2	Press to make the call.
3	Press to end the call.



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

Note: You must dial the phone number from the home screen. See page 24.

Answering a Call

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

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

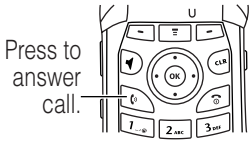
Phone Flip Open

	Action
1	Open the flip to answer.
2	Close the flip to end the call.

Tip: To deactivate this feature, press ☰ > **Settings** > **In-Call Setup** > **Answer Options** > **Open to Answer**.

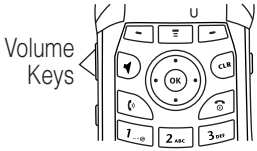
Phone Flip Closed

	Action
1	Press ✆ to answer.
2	Press ⏻ to end the call.



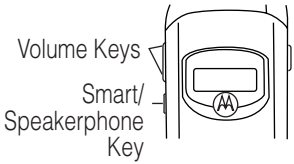
Changing the Call Alert

Phone Flip Open



In the home screen, press the down volume key to switch to lower call alert volume, then switch to vibrate and, finally, silent alert. Press the up volume key to cycle back from silent alert to vibrate and then to the lowest alert volume setting.

Phone Flip Closed



Press the up or down volume key, then press the speakerphone key to scroll through the alert styles: **Loud**, **Soft**, **Vibrate**, **Vibe & Ring**, and **Silent**. The alert styles are shown on the external display.

After scrolling to the desired alert style, press the up or down volume key to save the setting and return to the home screen.

Viewing Your Phone Number

To view your phone number from the home screen, press [menu] [#].

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

Highlight Features

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

Sending a Multimedia Message

A *Multimedia Messaging Service* (MMS) *multimedia message* contains 1 or more slides with text and embedded media objects (possibly including photos, pictures, animations, sounds, voice records). You can send the multimedia message to other wireless phone users and to other email addresses.

Note: You can send the message after entering a recipient phone number and the message text. You do not need to complete other fields.

	Press	To
1	⊙	scroll to ✉ (**Message Center**)
2	⊙	scroll to **Create Message**
3	**SELECT** (⊟)	select **Create Message**
4	⊙	scroll to **New MMS Message**
5	**SELECT** (⊟)	select **New MMS Message**

	Press	To
6	keypad keys, then **OK** (-)	enter a phone number
	or	
	CONTACTS (-), ⊙, then **ADD** (-) and **DONE** (-)	open **Contacts**, then scroll to and select 1 or more existing **Contacts** entries
7	keypad keys	enter slide text To add another slide to the message, continue to the next step. To insert a media object, go to step 8.
8	☰	open the menu to insert a new slide
9	**SELECT** (-)	display a list of items you can insert
10	⊙	scroll to **New Page**
11	**SELECT** (-)	insert a new slide after the current slide Return to step 2 to enter contents for the new slide.
12	☰	open the menu
13	⊙	scroll to **Insert**
14	**SELECT** (-)	display a list of items you can insert

Press	To
15 ⊙	scroll to **Voice Record**, **Sound**, **New Page**, or **Quick Ext**
16 **SELECT** (⊟)	select the file type
17 ⊙	scroll through the files to the desired selection
18 **SELECT** (⊟)	select and insert the file Return to step 8 to add more media files.
19 **OK** (⊟)	save all inserted files
20 ⊙	scroll to **Subject**
21 **CHANGE** (⊟)	select **Subject**
22 keypad keys **or** **QK.NOTE** (⊟), then ⊙ and **OK** (⊟)	enter the subject open the Quick Notes list, then scroll to and select a Quick Note as a subject
23 **OK** (⊟)	store the subject
24 ⊙	scroll to **Attachments**
25 **CHANGE** (⊟)	select **Attachments**
26 ⊙	scroll to **Picture** or **Sound**
27 **SELECT** (⊟)	select the file type
28 ⊙	scroll through the files to the one you want
29 **SELECT** (⊟)	select and insert the file

	Press	To
30	**BACK** (⊟)	return to the **New MMS Message** screen
	or	
	⊕, then **SELECT** (⊟)	add more attachments
31	⊕	scroll to **Priority**
32	**CHANGE** (⊟)	select **Priority**
33	⊕, then **SELECT** (⊟)	scroll to and select **Normal** or **Urgent**, then return to the **New MMS Message** screen
34	⊕	scroll to **Receipt**
35	**CHANGE** (⊟)	select **Receipt**
36	**ADD** (⊟)	with **Delivery Report** highlighted, select it
37	**SEND** (⊟)	send the message
	or	
	⊟	send the message later, view message details, save the message in the drafts folder, or cancel the message

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:

- Photos, pictures, and animations are displayed as you read the message.
- A sound file begins playing when its slide is displayed. Use the volume keys to adjust the volume as the sound file plays.

  Note: In a multimedia letter, you may have to highlight an indicator embedded in the text to play a sound file.
- 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 such as a **Contacts** or datebook entry, or unknown file type).

TTY Operation

You can use an optional TTY device with your phone to send and receive calls. You must plug the TTY device into the phone's headset jack and set the phone to operate in 1 of 3 TTY modes.

Note: Use a TSB-121 compliant cable (provided by the TTY manufacturer) to connect the TTY device to your phone.

Note: Set the phone to level 4 (middle setting) for proper operation. If you experience a high number of incorrect characters, adjust the volume as needed to minimize the error rate.

Note: For optimal performance, your phone should be at least 12 inches (30 centimeters) from the TTY device. Placing the phone too close to the TTY device may cause high error rates.

Setting TTY Mode

When you set your phone to a TTY mode, it operates in that mode whenever the TTY device is connected.

Find the Feature [MENU] > **Settings** > **Initial Setup**

	Press	To
1	[NAV]	scroll to **TTY Setup**
2	**CHANGE** ([SOFT])	select **TTY Setup**
3	[NAV]	scroll to the TTY mode
4	**SELECT** ([SOFT])	select the TTY mode

The **TTY Setup** menu can include the following options:

Press	To
Voice	return to normal voice mode
TTY	transmit and receive TTY characters

Press	To
VCO	receive TTY characters but transmit by speaking into microphone
HCO	transmit TTY characters but receive by listening to earpiece

When your phone is in a TTY mode, the international TTY mode, the international TTY symbol, and the mode setting display during an active TTY call.

Returning to Voice Mode

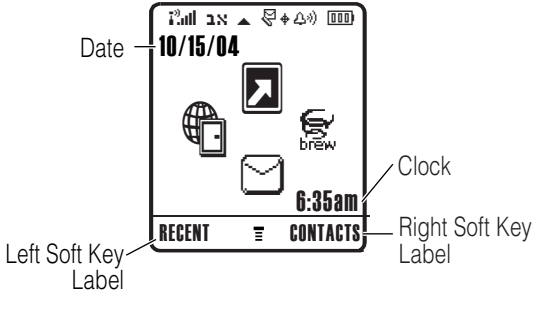
To return to normal voice mode, select **Voice** from the **TTY Setup** menu.

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.



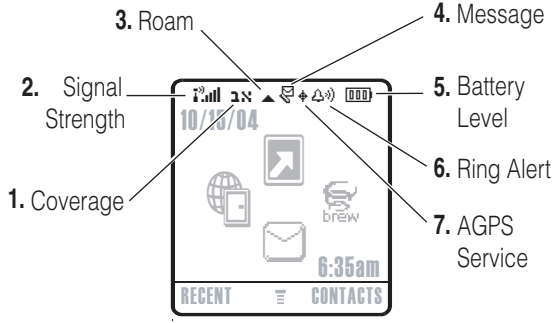
Note: Your home screen may look different than the display shown above.

The ☰ (menu) indicator indicates that 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 74). While powered on in analog mode, your phone may not always display the correct time.

The following status indicators can display:



1. Coverage Indicator

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

3. Roam Indicator Shows when your phone is seeking or using another network outside your home network.

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

= text message

= voicemail message

= voicemail and text message

When you enter a message, a number in this location shows the number of characters left on the current page (text message), or the message size (multimedia message or letter).

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

6. Ring Alert Indicator Shows the ring alert setting.

= loud ring

= soft ring

= vibrate

= vibrate and ring

= silent

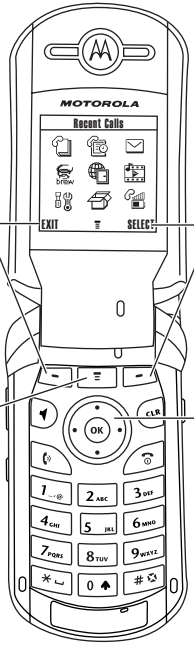
7. AGPS Service Indicator Indicates when AGPS Service is off (icon is grey), on (icon is white), or on and finding your location (icon is green).

Using the 5-Way Navigation Key

Use the 5-way navigation key (⊙) to scroll up, down, left, or right through the menu system. Press the OK key in the center to select a highlighted menu item.

Using Menus

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



Left Soft Key
Perform left function.

Right Soft Key
Perform right function.

Menu Key

5-way Navigation Key
Scroll through menus & lists. Press center to select highlighted items.

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
	Contacts		**Recent Calls**
	Message Center		**Brew***
	Web Access		**Media Gallery**
	Settings		**More**
	Phone Info		

* Optional network/subscription dependent feature

Selecting a Menu Feature

This guide uses the following format to show you how to select a menu feature, starting from the home screen.

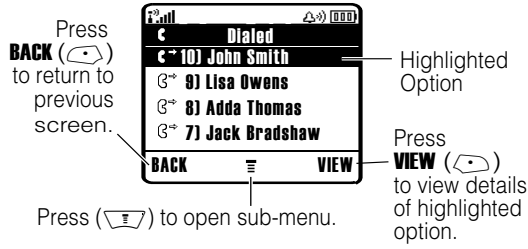
Find the Feature [menu] > **Recent Calls** > **Dialed**

This example shows that from the home screen, you must press [menu], scroll to and select **Recent Calls** from the main menu, then scroll to and select **Dialed**. Press [nav] 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

When you select certain features, your phone displays a list of items or options that you can select. For example,

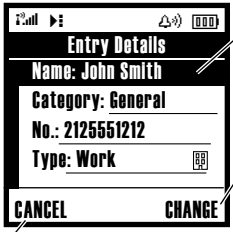
when you view the dialed calls list, you can select an entry and perform additional tasks on that entry:



- 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. The following is a sample of a screen for **Contacts** entry information.



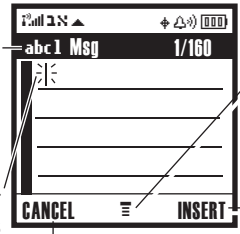
Press ⊕ to view more options.

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 descriptions, see following section.

Press ⊏ to open sub-menu.

Flashing cursor indicates insertion point.

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

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

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 select 1 of the following entry methods:

Primary	The primary text entry method (see below to set).
Numeric	Enter numbers only (see page 37).
Symbol	Enter symbols only (see page 38).
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**.

Setting Up a Text Entry Method

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

iTAP	Let the phone predict each word as you press keys (see page 35).
Tap	Enter letters and numbers by pressing a key 1 or more times.
Tap Extended	Enter letters, numbers, and symbols by pressing a key 1 or more times.
None	Hide the **Secondary** setting (only available for **Secondary Setup**).

Using Capitalization

Press 0 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

Text Entry Method Indicators

When you select the **Primary** or **Secondary** text entry method, the following indicators identify the text entry setting:

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

The following indicators identify **Numeric** or **Symbol** entry method:

123 = numeric method

@ = symbol method

Using Tap Method

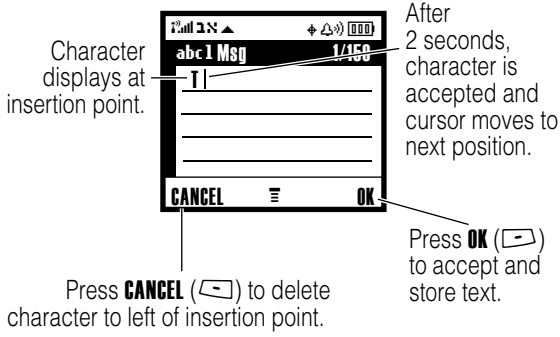
This is the standard method for entering text on your phone.

Regular **Tap** method cycles through the letters and numbers of the key you press. **Tap Extended** method also cycles through additional symbols as shown in the "Character Chart" on page 34.

	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. If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry method, see page 31.

When you enter text with **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:

Press ⊙ right to accept **Program**, or press * to reject it and enter a space after **prog**.

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 **Tap Extended** method.

1	. ? ! , @ ' - _ : ; ( ) & " ~ 1 0 ¿ ¡ % £ $ ¥ ¤ € + x * / \ [ ] = > < # §
2 abc	a b c 2
3 def	d e f 3
4 ghi	g h i 4
5 jkl	j k l 5
6 mno	m n o 6
7 pqrs	p q r s 7
8 tuv	t u v 8
9 wxyz	w x y z 9
0 ↑	*change text case, for capital letters*

*	*enter a space (hold to enter a return)*
#	*change text entry method (hold for default)*

Note: This chart may not reflect the exact character set available on your phone. In a URL editor, 1 first shows common characters for that editor.

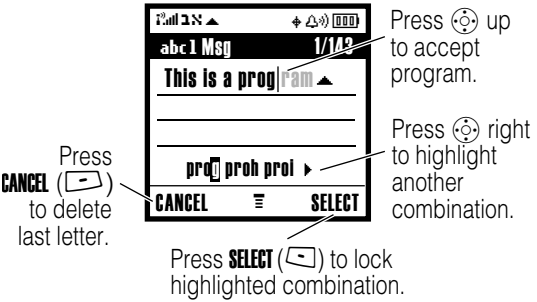
Tap Method Text Entry Rules

- Press a keypad key repeatedly to cycle through its characters.
- 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 key presses into common words.

For example, if you press 7pqrs 7pqrs 6mno 4ghi, letter combinations that match your key presses 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 31.

	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

	Press	To
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 Numeric Method

In a text entry screen, press #⇧ to switch entry methods until the **123** (numeric) indicator displays.

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

Using Symbol Method

In a text entry screen, press #⇧ to switch entry methods until the @ (symbol) indicator displays.

	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.

1	. ? ! , @ ' - _ : ; ( ) & " ~ 1 0 ¿ ¡ % £ $ ¥ ¤ € + x * / \ [ ] = > < # §
2	@ _ \
3	/ : ;
4	" & '

5	( ) [ ] { }
6	¿ ¡ ~
7	< > =
8	$ £ ¥ ¤ €
9	# % *
0	+ - x * / \ = > < # §
*	*enter a space (hold to enter a return)*
#	*change text entry method (hold for default)*

Note: This chart may not reflect the exact character set available on your phone. In a URL editor, 1 first shows common characters for that editor.

Deleting Letters and Words

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

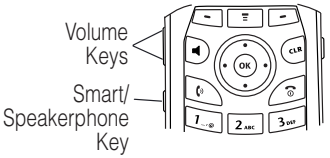
Action
Press CLR to delete 1 letter at a time.
Hold CLR to delete the entire message.

Using the Handsfree Speaker

Note: You must open your phone's flip to activate the speakerphone.

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

Press and hold the smart/speakerphone key to turn the handsfree speaker on or off during a call. A soft audio alert confirms activation/ deactivation.



When you turn on the handsfree speaker, your phone displays **Spkrphone On** in the home screen. The handsfree speaker remains on until you press the smart/ speakerphone key 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.

Using the External Display

When the flip is closed, you can use the external display for the following:

- View time, date, and phone status information.
- Set phone alert styles.
- Read message notifications.

Setting Phone Alert Style via the External Display

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

With the flip closed:

	Press	To
1	volume keys	scroll to **Style**
2	smart/ speakerphone key	select an alert style
3	volume keys	return to the home screen

Viewing an Unanswered Call via the External Display

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

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.

	Press	To
1	smart/ speakerphone key	view the received calls list
2	volume keys	scroll through and select a call
3	smart/ speakerphone key	view the selected call

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.

To change a code or password:

Find the Feature [menu] > 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 53).

Locking Your Phone Manually

Find the Feature [Menu] > **Settings** > **Security** > **Phone Lock** > **Lock Now**

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

Unlocking Your Phone

Tip: Your phone's unlock code is originally set to 1234. 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 [Menu] > **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, contact your service provider.

Setting Up Your Phone

Storing Your Name and Phone Number

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

Find the Feature [Menu] > **Phone Info** > **My Tel. Number**

Shortcut: Press [Menu] [#] from the home screen to edit your name and phone number.

If you do not know your phone number, contact your service provider. To view your phone number from the home screen or during a call, see page 16.

Setting an Alert Style

Your phone rings and/or vibrates to notify you of an incoming call or to signal certain other events. This ring or vibration is called an *alert*. Your phone includes the following types of alerts: **Ring Volume**, **Calls**, **Inbox**, **Voicemail**, **Alarms**, **Data Calls**, **Fax Calls**, **Ringer IDs**, **Key Volume**, and **Reminders**.

You can define 5 groups of alert settings. These groups, called *alert styles*, include **Loud**, **Soft**, **Vibrate**, **Vibe&Ring**, and **Silent**. When you set your phone to use an alert style, the corresponding alert settings become active.

To select an alert style and specify its settings for specific alerts:

Find the Feature [MENU] > **Settings** > **Ring Styles**

	Action
1	Highlight **Style**.
2	Press **CHANGE** ([-]).
3	Highlight the desired alert style (**Loud**, **Soft**, **Vibrate**, **Vibe&Ring**, or **Silent**).
4	Press **SELECT** ([-]).
5	Highlight *style* **Detail**.
6	Press **CHANGE** ([-]).
7	Highlight the setting you want to change: **Ring Volume**, **Calls**, **Inbox**, **Voicemail**, **Alarms**, **Data Calls**, **Fax Calls**, **Ringer IDs**, **Key Volume**, and **Reminders**.
8	Press **CHANGE** ([-]).
9	Set or modify the style as desired.
10	Repeat steps 7 - 9 for all settings you want to change.

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 [menu] > **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

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

Find the Feature [menu] > **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

	Press	To
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

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 specified time period. 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

	Press	To
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**

Adjusting the Backlight

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**

Hiding or Showing Location Information

Your phone can use the *automatic location information* (ALI) feature to tell the network where you are physically located.

Find the Feature [Menu] > **Settings** > **Location**

	Press	To
1	[Navigation]	scroll to **Location On** or **911 Only**
2	**SELECT** ([Soft Key])	select the setting

Limitations of AGPS

Sometimes adequate signals from multiple satellites are unavailable, usually because your AGPS phone's antenna cannot establish a view of a wide area of open sky. In these cases, the AGPS feature **will not work**. Such situations include, but are not limited to, the following:

- in underground locations
- inside of buildings, trains, or other covered vehicles
- under any other metal or concrete roof or structure
- between tall buildings or under dense tree cover
- near a powerful radio or television tower
- when your AGPS antenna is covered (for example, by your hand or other object) or facing the ground
- when there are temperature extremes outside the operating limits of the phone

Even where location information can be calculated in such situations, it may take more time than usual, and your location estimate may not be as accurate.

Even where adequate signals from multiple satellites are available, your AGPS feature will provide only an approximate location, often within 150 feet (45 meters) but sometimes much farther from your actual location.

The satellites used by your phone's AGPS feature are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense AGPS user policy and the Federal Radio Navigation Plan. These changes may affect the performance of your phone's AGPS feature.

Conserving Battery Power

Some networks and phones include a battery save setting to extend battery life. When this feature is activated, your phone automatically turns off the keypad backlight when it detects that enough ambient light is available.

Find the Feature [menu] > **Settings** > **Initial Setup** > **Battery Save**

Calling Features

For basic instructions on how to make and answer calls, see page 14.

Changing the Active Line

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

Find the Feature [ ] > **Phone Info** > **Active Line**

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 for 4 minutes. 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 MENU > **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 fast busy signal and see **Call Failed**:

Press	To
SEND or **RETRY** (OK)	activate automatic redial

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.

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

Using AGPS During an Emergency Call

When you make an emergency call, your phone's assisted-Global Positioning System (AGPS) feature can calculate your approximate location and help emergency service personnel find you.

Notes:

- This feature can work only if the emergency response center can receive and process location information. If you are concerned about whether your local emergency response center can receive AGPS location information, contact your local authorities.
- In order for the AGPS feature to work when making emergency calls, the service must be turned on. See page 50.

For best results, you should be located where your phone's antenna can establish a clear view of the open sky. This allows your phone to access AGPS satellite signals. Even under good conditions, it may take 30 seconds or more to determine your approximate location. This time increases

and the accuracy of the results decreases with reduced access to satellite signals.

If your phone does not have adequate access to AGPS satellite signals, the location of the nearest cell tower in contact with your phone is automatically provided to the emergency response center.

Because of the limitations of the AGPS feature, always provide your best knowledge of your location to the emergency response center, just as you would when using a phone without AGPS capabilities. Also, remain on the phone for as long as the emergency response center instructs you.

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 MENU > **Recent Calls**

	Press	To
1	⊙	scroll to **Received** or **Dialed**
2	**SELECT** (−)	select the list
3	⊙	scroll to an entry **Note:** ✓ means the call connected.

	Press	To
4	[call]	call the entry's number
	or	
	VIEW ([-])	view entry details
	or	
	[=]	open the **Last Calls Menu** to perform various operations on the entry

The **Last Calls Menu** can include the following options:

Option	Description
Store	Create a **Contacts** entry with the number in the **No.** field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from **Contacts** or the recent calls lists.

Returning an Unanswered Call

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

- the [missed call] (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 that you enter 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 **Contacts** entry with the number in the **No.** field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
[menu] > **Attach Number**	attach a number from **Contacts** or the recent calls list

Calling with Speed Dial

Each entry you store in **Contacts** is assigned a unique *speed dial* number.

Tip: To see an entry's speed dial number, press [menu] > **Contacts**, scroll to the entry, and press **VIEW** ([-]).

To speed dial a **Contacts** entry:

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

Calling with 1-Touch Dial

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

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

From the home screen:

	Press	To
1	⊙	scroll to ✉ (**Message Center**)
2	⊙	scroll to **VoiceMail**
3	**CALL** (⌐)	call **VoiceMail**

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

Tip: Your service provider may also store your voicemail phone number as **Contacts** entry number 1. If so, you can press and hold 1 to call your voicemail 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.

	Press	To
1	⊙	scroll to ✉ (**Message Center**)
2	⊙	scroll to **Message Settings**
3	**SEELCT** (-)	select **Message Settings**
4	⊙	scroll to **VoiceMail No.**
5	**CHANGE** (-)	select **VoiceMail No.** to enter or change the number

Phone Features

This section helps you locate features on your phone that are not described in detail in this guide.

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.

- **Contacts**
- **Recent Calls**
  - Received
  - Dialed
  - Notepad
  - Call Times
  - Data Times
  - Data Volumes
- **Message Center**
  - Create Message
  - Voicemail
  - Inbox
  - Outbox
  - Quick Text
  - Drafts
  - Erase Messages
  - Message Settings
- **Brew***
- **Web Access**
  - Web Browser
  - Web Sessions
- **Media Gallery**
  - Pictures
  - Sounds
- **Settings**
  (see next page)
- **More**
  - Calculator
  - Datebook
  - Shortcuts
  - Voice Records
  - Alarm Clock
- **Phone Info**
  - My Tel. Number
  - Active Line
  - Battery Meter
  - Other Information

*Your service provider may use a different name for the Brew feature.

Settings Menu

- **Ring Styles**
  - Style
  - *Style* Detail
- **Personalize**
  - Home Screen
  - Main Menu
  - Voice Dial Setup
  - Color Style
  - Greeting
  - Wallpaper
  - Screen Saver
  - Sound Settings
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
  - MSG Alert
- **Security**
  - Phone Lock
  - Lock Application
  - Restrict Calls
  - New Passwords
- **Initial Setup**
  - Time and Date
  - SpeakerPhone
  - Auto PIN Dial
  - Auto Redial
  - Backlight
  - TTY Setup
  - Scroll
  - Language
  - Battery Save
  - Contrast
  - DTMF
  - Hyphenation
  - Master Reset
  - Master Clear
- **Network Options**
  - Current Network
  - Analog Only
  - Set Mode
  - Service Tone
  - Call Drop Tone
- **Car Settings**
  - Auto Answer
  - Auto Handsfree
  - Power-off Delay
  - Charger Time
- **Headset**
  - Auto Answer
  - Voice Dial
- **Location**
  - Location On
  - 911 Only
- **Connection**
  - Incoming Call

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 [Menu] [#] (from home screen).
Go to dialed calls list: Press [Send] (from home screen).
Exit menu system: Press [End].

Calling Features

Feature	Description
Restrict Calls	Restrict outgoing or incoming calls: > **Settings** > **Security** > **Restrict Calls** > *unlock_code*
TTY Calls	Set up your phone for use with an optional TTY device: > **Settings** > **Initial Setup** > **TTY Setup**

Messages

Feature	Description
Send Text Message	Send a text message: Press ⊙ to scroll to ✉ (**Message Center**), then > **Create Message** > **New Short Msg**
Send Multimedia Message	Send a multimedia message: Press ⊙ to scroll to ✉ (**Message Center**), then > **Create Message** > **New MMS Msg**
Insert Objects In Text Message	While composing a text message: ☰ > **Insert**

Feature	Description
Use MMS Template	Open an MMS template with preloaded media: Press ⊕ to scroll to ✉ (**Message Center**), then > **Create Message** > **MMS Template**
Read Message	Read a new text or multimedia message that you have received: Press **READ** (⊏).
Store Message Objects	Go to a multimedia message slide, or highlight an object in a letter, then: ☰ > **Store**
Quick Text	Send or create a quick note message: Press ⊕ to scroll to ✉ (**Message Center**), then > **Quick Text**
Sent Messages	View sent messages: Press ⊕ to scroll to ✉ (**Message Center**), then > **Outbox**
Received Messages	Read received messages: Press ⊕ to scroll to ✉ (**Message Center**), then > **Inbox** **Tip:** Press ☰ to perform various operations on the message.

Feature	Description
Drafts	View messages saved in drafts folder: Press ⊙ to scroll to ✉ (**Message Center**), then > **Drafts**
Erase Messages	Delete all messages or only messages from the **Outbox** or drafts folder: Press ⊙ to scroll to ✉ (**Message Center**), then > **Erase Messages**

Contacts

Feature	Description
Create Entry	Create a new **Contacts** entry: ☰ > **Contacts** ☰ > [**New Entry**] > **Phone Number**
Create Group Mailing List	Create a group mailing list as a **Contacts** entry: ☰ > **Contacts** ☰ > [**New Entry** > **Mailing List**
Dial Number	Call a number stored in **Contacts**: ☰ > **Contacts**, highlight the entry, press ✆ to call

Feature	Description
Voice Dial Number	Dial a **Contacts** entry by saying the entry's name: Press and release the voice key, then (within 2 seconds of being prompted) say "Name dial." When prompted again, say the name of a **Contacts** entry. **Note:** All **Contacts** entries are automatically stored as voice dial numbers.
Digit Dial Number	Dial a number by saying the digits in the number: Press and release the voice key, then (within 2 seconds of being prompted) say "Digit dial." When prompted again, say the number you wish to call. **Note:** You can use digit dial for numbers not stored in **Contacts**.
Set Ringer ID for Entry	Assign a distinctive ringer alert to a **Contacts** entry: [menu] > **Contacts** > *entry* [menu] > **Edit** > **Ringer ID** > **CHANGE** > *ringer name*
Set Category for Entry	Set the category for a **Contacts** entry: [menu] > **Contacts** > *entry* [menu] > **Edit** > **Category** > **CHANGE** > *category name*

Feature	Description
Sort Contacts List	Set the order in which **Contacts** entries are listed: [ ] > **Contacts** [ ] > **Setup** > **Sort by** > *sort order*
Set Primary Number	Set the primary number for a **Contacts** entry with multiple numbers: [ ] > **Contacts** > *entry* > **SELECT** [ ] > **Set Primary** > *phone number*
View Primary or All Numbers	Set to view only primary numbers or all numbers when viewing entries: [ ] > **Contacts** > *entry* [ ] > **Setup** > **SELECT** > **CHANGE** > **All Contacts** or **Primary Contacts**
Edit Entry	Edit a **Contacts** entry: [ ] > **Contacts** > *entry* [ ] > **Edit**
Delete Entry	Delete a **Contacts** entry: [ ] > **Contacts** > *entry* [ ] > **Delete**
Copy Contacts Entry	Copy a **Contacts** entry to another location in **Contacts**: [ ] > **Contacts** > *entry* [ ] > **Copy Entry** > *location number*

Feature	Description
Copy Multiple Contacts Entries	Copy a **Contacts** entry to another location in **Contacts**: [ ] > **Contacts** > *entry* [ ] > **Copy Entries** > **From(start):** > *location number* > **From(end):** > *location number* > **To(start):** > *location number*

Personalizing Features

Using Voice Commands

You can place calls and access some menu options by speaking commands to your phone:

	Action
1	Press and release the voice button on the right side of the phone. **Note:** If **Speakerphone** is not already turned on and you want to activate it, press the smart/speakerphone key on the left side of your phone. You can then speak the commands aloud, and hear phone prompts played out loud. Your phone displays **Say a command**.
2	Say 1 of the following commands: **Name Dial**, **Digit Dial**, **Voicemail**, **Redial**, **Received** Your phone opens the corresponding menu or performs the corresponding action.

To Place Calls

Advanced Voice Dialing lets you use voice commands to place a call:

- Use **Name Dial** to dial a **Contacts** entry by speaking the name of the entry.
- Use **Digit Dial** to dial any number by speaking the digits in the number.

Note: This feature recognizes only 7-digit, 10-digit, and 11-digit numbers. It will **not** dial 3-digit numbers such as 911. To make an emergency call, use the phone keypad to dial and send the number.

	Action
1	Press and release the voice button on the right side of the phone. Your phone displays **Say a command** and plays the same prompt out loud.
2	Say “Name Dial” or “Digit Dial.”
3	When prompted, say the name of the **Contacts** entry or speak the digits in the phone number. If the phone recognizes the name or number, it places the call. If the phone asks you to repeat a name or number, say it again. If the name or number is not valid or not recognized, the phone does not place the call.

Action
If the phone does not recognize the name or number, it displays a list of up to 3 names or numbers, asks, “Did you say ..., ” and highlights the first item in the list. • If the item is correct, say “Yes” to place the call. **or** • If the item is not correct, say “No” to go to the next item. **or** • Press ⊙ to scroll to the correct item and press **Yes** (−). **or** • Press the voice button to exit the list and repeat the name or number. If you reach the end of the list without confirming a listed item, the phone asks if you want to try again. Say “Yes” if you want to speak the name or number again. Say “No” to exit without placing a call.

Tip: When saying a number, speak at a normal speed and volume, pronouncing each digit distinctly. Avoid pausing between digits.

To Adapt Advanced Voice Dialing to Your Voice

For most people, Advanced Voice Dialing works well without any initial setup. However, if the phone is

frequently unable to recognize numbers correctly when you use Advanced Voice Dialing, you may be able to improve your results by adapting it to your voice.

Note: If the phone is used by several people, reset Advanced Voice Dialing to its original setting before proceeding. This ensures that you are not saving your settings over someone else's.

Adapting Advanced Voice Dialing to Your Voice

Find the Feature MENU > Settings > Personalize > Voice Dial Setup

	Action
1	Scroll to **Adapt Digits**.
2	Press **SELECT** (-).
3	Press **START** (-).
4	When the phone prompts you to say the 1st digit sequence, wait for the beep and then repeat the digits in a normal tone of voice.
5	If the recording sounds acceptable (no mistakes or background noises), say "Yes" or press **YES** (-). **or** If the recording is not acceptable, say "No" or press **NO** (-). When prompted to say the digits again, wait for the beep and say the digits again. The phone will prompt you to repeat this process with up to 12 additional sets of digits.

	Action
6	When the phone prompts, “More Adaptation?”, press **YES** (⊏) to continue or **NO** (⊐) to end the process. When the adaptation process is complete, the phone will say “Adaptation Complete.”)

Tip: When adapting Advanced Voice Dialing:

- Choose a quiet place for recording.
- Wait for the beep before you begin to speak.
- Speak at a normal speed and volume, pronouncing each digit distinctly. Avoid pausing between digits.
- If you make a mistake while recording a sequence of digits, or if an unexpected noise spoils the recording, rerecord that sequence.

To Reset Advanced Voice Dialing

Find the Feature ⊏ > **Settings** > **Personalize** > **Voice Dial Setup**

	Press	To
1	⊙	scroll to **Reset Digits**
2	**OK** (⊏)	reset Advanced Voice Dialing to the factory default

Additional Personalizing Features

Feature	Description
Ringer IDs	Activate distinctive ringer alerts assigned to **Contacts** entries: M > **Settings** > **Ring Styles** > *Style* **Detail** > **Ringer IDs**
Ring Volume	Set ringer volume: M > **Settings** > **Ring Styles** > *Style* **Detail** > **Ring Volume**
Keypad Volume	Set keypad keypress volume: M > **Settings** > **Ring Styles** > *Style* **Detail** > **Key Volume**
Reminders	Set reminder alerts for picture, text, or voicemail messages you receive: M > **Settings** > **Ring Styles** > *Style* **Detail** > **Reminders**
Message Alerts	Set whether or not you are alerted to messages received during a call: M > **Settings** > **In-Call Setup** > **MSG Alert**
Greeting	Change the greeting that appears when you turn on your phone: M > **Settings** > **Personalize** > **Greeting** Network / Subscription Dependent Feature
Display Text	Set home screen text to be left justified or centered in the display: M > **Settings** > **Personalize** > **Home Screen** > **Layout**

Feature	Description
Clock View	Display an analog clock or digital time readout in the home screen: [menu] > **Settings** > **Personalize** > **Home Screen** > **Clock**
Menu View	Display the main menu as graphic icons or as a text-based list: [menu] > **Settings** > **Personalize** > **Main Menu** > **View**
Main Menu	Reorder your phone's main menu: [menu] > **Settings** > **Personalize** > **Main Menu** > **Reorder**
Show or Hide Menu Icons	Show or hide menu feature icons in the home screen: [menu] > **Settings** > **Personalize** > **Home Screen** > **Home Keys** > **Icons**
Change Soft Keys	Change soft key labels and menu feature icons in the home screen: [menu] > **Settings** > **Personalize** > **Home Screen** > **Home Keys** > **Left Soft Key** or **Right Soft Key**
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold [menu]. (Network / Subscription Dependent Feature) Select a shortcut: [menu] > **More** > **Shortcuts** > *shortcut name*

Menu Features

Feature	Description
Language	Set menu language: [M] > **Settings** > **Initial Setup** > **Language**
Scroll	Set the highlight bar to stop or wrap around in menu lists: [M] > **Settings** > **Initial Setup** > **Scroll**
Master Reset	Reset all options *except* unlock code, security code, and lifetime timer: [M] > **Settings** > **Initial Setup** > **Master Reset**
Master Clear	Reset all options *except* unlock code, security code, and lifetime timer, and clear all user settings and entries: [M] > **Settings** > **Initial Setup** > **Master Clear** **Note:** **Master Clear** erases all **Contacts** entries.

Dialing Features

Feature	Description
Auto PIN Dial	Automatically dial an authenticating PIN code for outgoing calls: [menu] > **Settings** > **Initial Setup** > **Auto PIN Dial**
DTMF Tones	Activate DTMF tones: [menu] > **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 **Contacts** or recent calls lists, then press [menu] > **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 [end]. 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**
Data Times	View data call timers: [ ] > **Recent Calls** > **Data Times**
Data Volumes	View data volume meters: [ ] > **Recent Calls** > **Data Volumes**

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
Accessory Volume Settings (car kit or headset)	Adjust volume levels of car kit accessory: During an active call, press your phone's up or down volume keys.

Feature	Description
External Speaker-phone	Activate a connected external speakerphone during a call: Press the speakerphone button on the left side of the phone.
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: > **Settings** > **Car Settings** or **Headset** > **Auto Answer**
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 your 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 MENU > **Dialing Menu** > **Talk Then Fax**, then press SEND to make the call.

Network Features

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

Personal Organizer Features

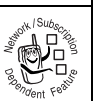
Feature	Description
Add Datebook Event	Add an event to the datebook: [menu] > **More** > **Datebook** > *day* [ok] > **New**
View Datebook Event	View or edit event details: [menu] > **More** > **Datebook** > *day* [ok] > *event* > **VIEW** ([-])
Event Reminder	View event reminder: **VIEW** ([-]) Dismiss event reminder: **EXIT** ([-])
Copy Datebook Event	Copy a datebook event to date and/or time: [menu] > **More** > **Datebook** > *day* [ok] > *event* [ok] [menu] > **Copy**
Set Alarm	Set an alarm: [menu] > **More** > **Alarm Clock**
Turn Off Alarm	Turn off alarm: Press **DISABLE** ([-]) or [power]. Set 8-minute delay: Press **SNOOZE** ([-]).

Feature	Description
Create Voice Record	Create a voice record: Press and hold voice key, speak into the phone, release voice key when finished speaking. **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: [menu] > **More** > **Voice Records** > *voice record*
Calculator	Calculate numbers: [menu] > **More** > **Calculator**
Currency Converter	Convert currency: [menu] > **More** > **Calculator** [menu] > **Exchange Rate** Enter exchange rate, press **OK** ([-]), enter amount, press [menu] > **Convert Currency**.

Security

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

News and Entertainment

Feature	Description
Launch Micro-Browser	Start a micro-browser session: > **Web Access** > **Web Browser**
Web Sessions	Select or create a Web session:  > **Web Access** > **Mobile Web**
Download Game or Application	Download a Brew game or application: > **Brew** > **Brew Shop**, press **START** (), select category, select application, select pricing option. Normal airtime and/or carrier usage charges apply. Your service provider may use a different name for the Brew feature.
Launch Game or Application	Launch a Brew game or application: > **Brew** > *application*
Manage Pictures	Manage pictures and animations: > **Media Gallery** > **Pictures**
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded: > **Media Gallery** > **Sounds**

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 1.55 W/kg, and when worn on the body, as described in this user guide, is 1.48 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://www.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.

Index

A

accessories 8, 41, 63
Advanced Voice Dialing 69
AGPS service indicator 26
alarm clock 80
alert
  defined 40, 45
  downloading 64
  setting 40, 45
  turning off 13, 15, 53
animation
  downloading 64
  screen saver 48
  viewing 82
  wallpaper 47
answering a call 14, 46
application, locking and unlocking 81
automatic location information
  sending 50
automatic redial 52

B

backlight 49
battery
  charging 11
  extending battery life 10, 48, 49, 51
  installing 8
  level indicator 26
browser. *See* micro-browser

C

calculator 81
call
  adding digits after phone number 56
  Advanced Voice Dialing 69
  alert, setting 40, 45
  alert, turning off 13, 15, 53
  answer options 46
  answering 14
  deleting 55
  dialed calls list 55
  dialing 14
  emergency number 53
  ending 14, 15
  external speakerphone 78
  handsfree speaker 39
  making 14
  received calls list 55

receiving 14
recent calls 55
storing 55
timers 77
unanswered call 41, 56
Call Failed, Number Busy message 52
capitalization, changing 32
car kit 77
character chart 34
codes
changing 42
default 13, 42, 43, 44
forgetting 44
Contacts
1-touch dial 58
attaching 2 numbers 56, 58
deleting an entry 67
dialing a number 65
editing an entry 67
entry category 66
group mailing list 65
primary number, setting 67
ringer ID 66, 73
sorting entries 67
speed dial number 58
storing an entry 65
voice dialing 66
contrast, display 49
customizing the menu 74

D

data call 79
timers 77
volume meters 77
datebook 80
deleting a call 55
dialed calls list 55
dialing a number 14
digit dialing 66
display
backlight 49
contrast 49
greeting 73
language 75
personalizing 74
distinctive ringer alert 73
drafts folder 20, 65
DTMF tones
activating 76
sending 76

E

earpiece volume 13
email
draft 20
emergency number 53
end key 14, 15
ending a call 14, 15
Enter Unlock Code message 43, 44
external display 40

F

fax call 79
5-way navigation key 26
flip
  external display 40
  open to answer 15, 46
  screen saver 48

G

greeting 73

H

handsfree speaker 39
handsfree use 77
headset
  accessory, using 77
  using with external display 41
home screen 24

I

indicators
  AGPS service 26
  battery level 26
  loud ring alert 26
  message 25
  message waiting 20
  missed call 56
  ring alert 26
  roam 25
  signal strength 25
  silent alert 26
  soft ring alert 26
  text case 32
  text entry method 26, 32
  vibrate alert 26
  vibrate and ring alert 26
  voicemail message 26, 60
iTAP software 35

K

key
  end 14, 15
  5-way navigation 26
  left soft key 24
  menu 28
  power 12
  right soft key 24
  send 14, 15, 55
  volume control 13
keypad
  answering calls 46
  volume, setting 73

L

language, setting 75
left soft key
  functions 24
location, sending to network 50

lock
application 81
phone 42
Low Battery message 26

M

making a call 14
master clear 75
master reset 75
menu
entering text 30
icons, converting to text 74
icons, showing or hiding 74
language, setting 75
lists 28
navigating 27
personalizing 74
rearranging features 74
scroll 75
using features 28
view, changing 74
wrap around 75
menu key 28
message
alerts 73
drafts 65
erase 65
MMS template 64
MMS, defined 17
multimedia message 63
outbox 64
quick text 64
reading 64
receiving 3
reminders, turning on/off 73
status 64
text 3, 63, 64
message indicator 25
message waiting indicator 20
micro-browser
browser setup 82
using 82
Web sessions 82
missed call indicator 56
Missed Calls message 41, 57
MMS. *See* message
multimedia message
receiving 20
sending 17, 63
multimedia messaging service. *See* message
my telephone number 16, 45, 62

N

network settings 79

notepad 57
number
  storing your number 45
  viewing your number 16, 62
numbers, entering 37

O

open to answer 46
optional accessory, defined 8
optional feature, defined 8
outbox 64

P

passwords. *See* codes
phone
  alert, setting 40, 45
  alert, turning off 13, 15, 53
  answer options 46
  automatic location information 50
  clear stored information 75
  codes 42
  flip 15
  keypad, answering calls 46
  language, setting 75
  location 50
  locking 42
  network settings 79
  reset all options 75
  security code 42
  unlock code 42
  unlocking 13, 42, 43, 44
phone number
  adding digits after 56
  attaching 2 numbers 56, 58
  redialing 52
  storing in Contacts 65
  storing your number 45
  viewing your number 16, 62
photo
  downloading 64
picture
  downloading 64
  screen saver 48
  viewing 82
  wallpaper 47
power key 12
predictive text entry 35
primary text entry method 31

Q

quick text 64

R

received calls list 55
recent calls 55
redial
  automatic redial 52
  busy number 52
reminders
  turning on/off 73
right soft key
  functions 24
ring alert
  setting 15, 40, 45
  turning off 13, 15, 53
ring alert indicators 26
ring tone
  downloading 64
  managing 82
ringer ID
  setting 66
  turning on/off 73
ringer volume, setting 13, 73
roam indicator 25

S

screen saver 48
scroll, menu 75
secondary text entry method 31
security code
  changing 42
  default 42
  forgetting 44
send key 14, 15, 55
shortcuts 62, 74
signal strength indicator 25
silent alert indicator 26
silent alert, setting 40, 45
silent ring alert, setting 15
soft keys
  functions 24
sound
  downloading 64
  managing 82
Speaker On message 40
speakerphone
  automatic answer 78
speakerphone, external
  activating 78
speed dial 58
standby time, increasing 48, 49
storing a call 55
symbol chart 38
symbols, entering 38

T

tap method text entry 32
telephone number
  storing your number 45
  viewing your number 16, 62

text 32
character chart 34
entering 30
entry method, selecting 31
entry method, setup 31
iTAP software predictive text entry 35
numeric method 37
symbol chart 38
symbol method 38
tap method 32
text case indicator 32
text entry method
selecting 31
setup 31
text entry method indicator 26, 32
timers 77
travel charger 11
TTY device 63

U

unlock
application 81
phone 42
unlock code
bypassing 44
changing 42
default 13, 42, 43, 44
entering 13, 43
forgetting 44

V

vibrate alert
setting 40, 45
turning off 13, 15, 53
vObject, defined 21
voice dial 78
voice dialing 66
Advanced Voice Dialing 69
voice key
digit dialing 66
voice dialing 66
voice record 81
voicemail 59
voicemail message indicator 26, 60
volume
earpiece 13
keypad 73
ringer 13, 73
volume keys 13

W

wallpaper 47
Web pages 82
Web sessions 82

U.S. patent Re. 34,976

MOTOROLA

IMPORTANT SAFETY AND LEGAL INFORMATION>

Software Copyright Notice

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

Part Number: 6809476A21-O

Contents

Safety and General Information 4
FDA Consumer Information on Wireless Phones 10
Product Registration 20
RF Energy Interference 20
Export Law Assurances. 20
Wireless: The New Recyclable 21
Wireless Phone Safety Tips 23

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.

FDA Consumer Information on Wireless Phones

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 hands-free 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 hands-free kits reduce risks. Hands-free 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 “hand-free” 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	**TTY** 1-888-390-6456
For **Accessories** and **Software**, please call the telephone number designated above for the product with which they are used.	

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

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A

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

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

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

Product Registration

Online Product Registration:
`http://www.motorola.com/warranty`

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

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

Thank you for choosing a Motorola product.

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.

Export Law Assurances

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

Wireless: The New Recyclable

Your wireless phone can be recycled. Recycling your wireless phone reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life wireless devices.

As a wireless phone user, you have an important role in ensuring that this phone is recycled properly. When it comes time to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Devices in the United States, including information on where to recycle wireless devices near you, please visit `www.recyclewirelessphones.com`.

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

2 **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.

3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.

6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.

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

9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*

10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

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

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

motorola.com