INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

EXHIBIT 8

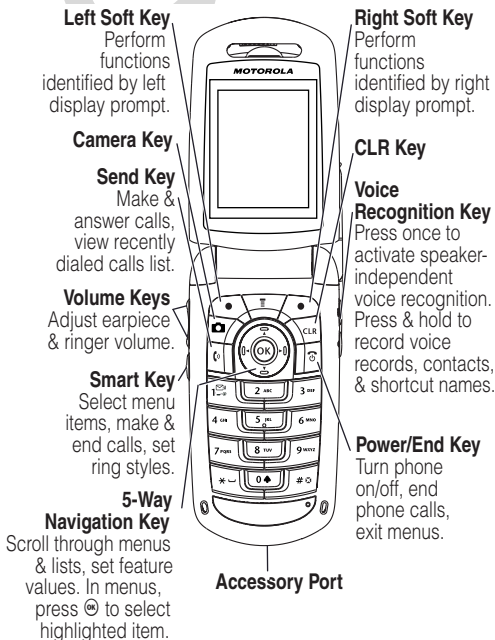**MOTOROLA**

A840
CDMA

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola A840 wireless phone.

Left Soft Key
Perform functions identified by left display prompt.

Right Soft Key
Perform functions identified by right display prompt.

Camera Key

CLR Key

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

Voice Recognition Key
Press once to activate speaker-independent voice recognition. Press & hold to record voice records, contacts, & shortcut names.

Volume Keys
Adjust earpiece & ringer volume.

Smart Key
Select menu items, make & end calls, set ring styles.

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

5-Way Navigation Key
Scroll through menus & lists, set feature values. In menus, press ⊛ to select highlighted item.

Accessory Port

Check It Out!

Headset Jack

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

Camera Key

**External
Display**

**Integrated Short-
Range Flash**
Projected when
taking flash photos.

Feature	Description
Take Photo	Press the camera key to activate the camera, point lens at subject, press **CAPTURE** (⟋•⟍) to take a photo.
Send Photo	Send the photo to a phone number Press **STORE** (⟋•⟍) > **Send In Message**.

Feature	Description
Set Photo as Picture Caller ID	After you capture a photo, assign it to a phonebook entry to enable picture caller ID: ⟨☰⟩ > **Multimedia** > **Pictures** > *photo* ⟨☰⟩ > **Apply As** > **Phonebook Entry**
Send Multimedia Message	Send a multimedia messag with pictures, animations, and sounds: ⟨☰⟩ > **Messages** > **Create Message** > **New Multimedia Msg**
Send Letter	Send a multimedia letter: ⟨☰⟩ > **Messages** > **Create Message** > **New Short Msg**
Read Multimedia Message	Read a new multimedia message or letter you have received: Press **READ** (⟨◠⟩)
Select Account (CDMA/GSM)	Select from CDMA and GSM accounts: ⟨☰⟩ > **Settings** > **Phone Mode** > *desired account*

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Manual number: 6809482A51-O

Contents

Getting Started

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 SIM Card

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

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

1.

2.

3.
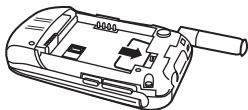
Battery Use

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

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

To maximize your battery's performance:

- Always use Motorola Original batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.

  - New batteries or batteries that have been stored for a long time may require a longer charge time.

- Maintain the battery at or near room temperature when charging.

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

- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.

- Batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.

The rechargeable batteries that power this phone must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

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

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. We recommend that you store batteries in their protective cases when not in use.

1.

Release Latch

2.

MOTOROLA

3.
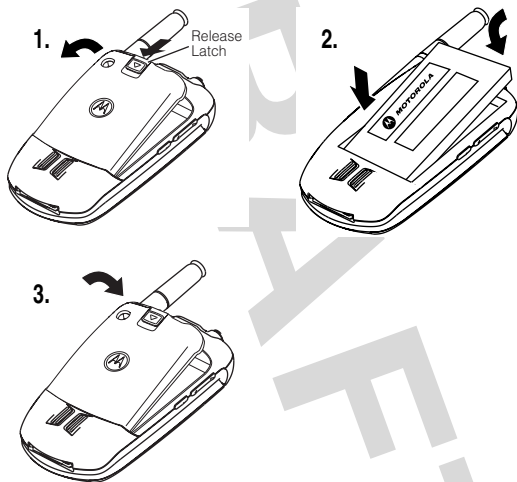
Charging the Battery

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

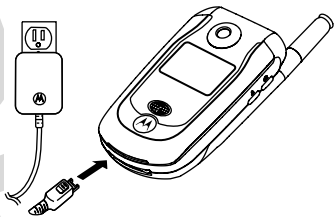battery as described below. Some batteries perform best after several full charge/discharge cycles.

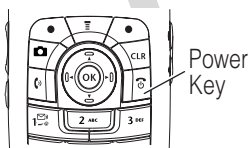|	**Action**
1	Plug the travel charger into your phone with the release tab facing up.
2	Plug the other end of the travel charger into the appropriate electrical outlet.
3	When your phone indicates **Charge Complete**, press the release tab and remove the travel charger.

Tip: You can safely leave the travel charger connected to the phone after charging is complete. This will **not** damage the battery.

Turning On Your Phone

	Action
1	Press and hold the power key for 3 seconds. **Note:** The phone may require several seconds to power on.

Power Key

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Action
2 If necessary, enter your 4-digit unlock code (the last 4 digits of your phone number) and press **OK** ($\langle \cdot \rangle$) to unlock the phone.

Adjusting Volume

Volume
Keys

Press the up or down
volume keys to:

- increase or decrease earpiece volume during a call

- increase or decrease the ringer volume setting when the home screen is visible (flip must be open)

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

- turn off an incoming call alert

Making a Call

Action
1 Dial the number.

Tip: If you make a mistake, press the clear key $\sqrt{\text{CLR}}$ to delete the last digit. Press and hold $\sqrt{\text{CLR}}$ to clear all digits.

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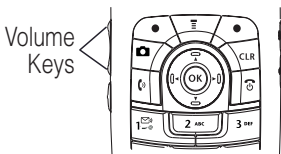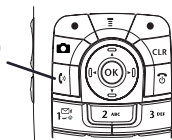|	**Action**
2	Press 🔘 to make the call.
3	Press 📵 to end the call.

Press to send call.

Note: You must dial the phone number from the home screen. See page 21.

Answering a Call

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

	Action
1	Press 🔘 to answer.
2	Press 📵 to end the call.

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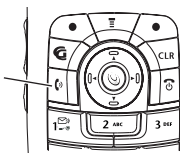
Tip: When the phone flip is active, open the phone to answer the call. (To activate, press ⬇️ > **Settings** > **In-Call Setup** > **Answer Options** > **Open to Answer**.)

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

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Changing the Call Alert

Phone Flip Open

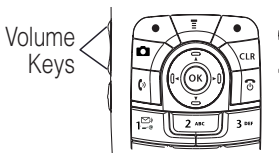Press the down volume key to switch to lower call alert volume, then switch to vibrate and,

Volume Keys

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 smart key, then press the up and down volume keys to scroll through the alert styles: **Loud**,

Volume Keys

Smart Key

Soft, **Vibrate**, **Vibe & Ring**, and **Silent**. The alert styles are shown on the external display.
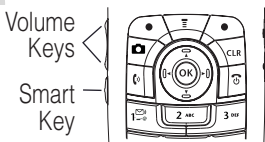
After scrolling to the desired alert style, press the smart key to save the setting and return to the home screen.

Viewing Your Phone Number

To view your phone number from the home screen, press `\I/` `_#o`.

While you are on a call, press `\I/` > **My Tel. Number**.

Highlight Features

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

Taking and Sending a Photo

Find the Feature $\boxed{\cdot}$ > **Multimedia**
                         > **Camera**

Shortcut: Press $\boxed{\text{o}}$ to activate your phone's camera:

The active viewfinder image appears on your display.

Press ⊙
up or down to
zoom in or out
on image.

IMAGE
AREA

Photo storage
memory
space
currently in
use.

Press ⊙
left or right to
decrease or
increase
image
brightness.

Photo Viewfinder
Memory Used: 72%

BACK   ☰   CAPTURE —Take a photo.

Press $\boxed{\text{r}}$ to open
Pictures menu.

Return to previous screen.

Point the camera lens at the photo subject, then:

	Press	**To**
1	**CAPTURE** ($\diamond$)	take a photo
	or	
	$\boxed{\circ}$	
2	**STORE** ($\diamond$)	view storage options
	or	
	DISCARD ($\diamond$)	delete the photo and return to active viewfinder
		If you choose to store the photo, continue to step 3.
3	$\circledcirc$	scroll to **Send in Message**, **Store Only**, **Apply as Wallpaper**, **Apply as Screen Saver**, or **Apply as Phonebook Entry**.
4	**SELECT** ($\diamond$)	select a storage option

Taking a Self Portrait

Action
1 Close the flip.
2 Hold the camera with the lens aimed at yourself.
3 Press the camera key on the side of the phone to capture the photo.

Pictures Menu Options

When the camera is active, press 三 to access the **Pictures Menu**. The **Pictures Menu** can include the following options:

Option	Description
Go To Pictures	View pictures and photos stored on your phone.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Delete All	Delete all pictures.
Pictures Setup	Open the setup menu to adjust picture settings.
Switch Storage Device	Save the picture on memory card, if available, or on phone memory (**Phone**).
View Free Space	See how much memory remains for storing pictures.
Flash	Set a flash for photos taken in settings with low light.

Option	Description
Adjust Contrast	Increase or decrease contrast.
Image Style	Scroll right or left to specify **Negative**, **Antique**, **Black and White**, or **Color**
Capture Title	Specify a title for the photo to be captured.

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.

	Press	To
1	◎ up or down	scroll to the TTY mode
2	**SELECT** (⬩)	select the TTY mode

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

Press	To
TTY	transmit and receive TTY characters
VCO	receive TTY characters but transmit by speaking into microphone
HCO	transmit TTY characters but receive by listening to earpiece
Voice	return to normal voice mode

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.
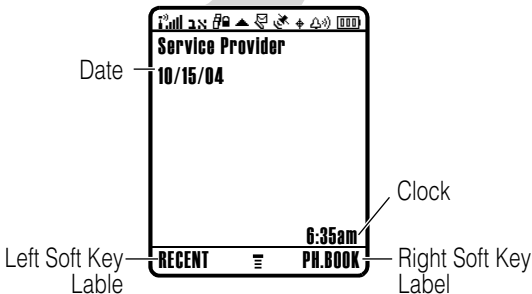
Returning to Voice Mode

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.

Date

Clock

Left Soft Key Lable

Right Soft Key Label

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.
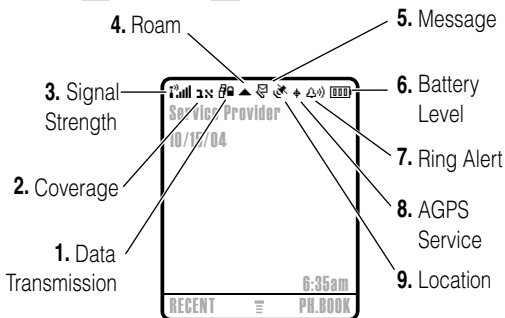
Labels at the bottom corners of the display show the current soft key functions. Press the left soft key (◁) or

Learning to Use Your Phone

right soft key ($\bigcirc$) 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 67).

The following status indicators can display:

4. Roam

5. Message

3. Signal Strength

6. Battery Level

2. Coverage

7. Ring Alert

1. Data Transmission

8. AGPS Service

9. Location

RECENT   PH.BOOK

6:35am

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

$\mathit{\theta}^{\mathbf{a}}$ = secure packet data transfer

$\overrightarrow{\underline{e}^{\bullet}}$ = unsecure packet data transfer

$\blacksquare$ = secure application connection

$\blacksquare$ = unsecure application connection

$\rightleftarrows$ = secure *Circuit Switch Data* (CSD) call

$\rightleftarrows$ = unsecure CSD call

2. Coverage Indicator CDMA and GSM.

Learning to Use Your Phone

3. Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls when the $\mathbf{i}^{\mathrm{y}}$ (no signal) indicator or $\mathbf{i}^{\mathrm{y}}\mathbf{X}$ (no transmit) indicator is displayed.

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

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

$\boxdot$ = text message

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

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

7. Ring Alert Indicator Shows the ring alert setting.

$\triangle$») = loud ring $\triangle$» = soft ring

)圓(= vibrate   ⟩△ = vibrate and ring

$\triangle^{\bar{z}}$ = silent

8. 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).

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

$\overset{\curvearrowright}{\Bumpeq}$ = location on $\qquad$ $\overset{\curvearrowright}{\Bumpeq}$ = location off

Using the 5-Way Navigation Key

Use the 5-way navigation key ($\textcircled{\odot}$) to scroll up, down, left, or right through the menu system. Within menus, press $\circledast$ to select a highlighted menu item.

Using Menus

From the home screen, press $\boxed{\equiv}$ 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.
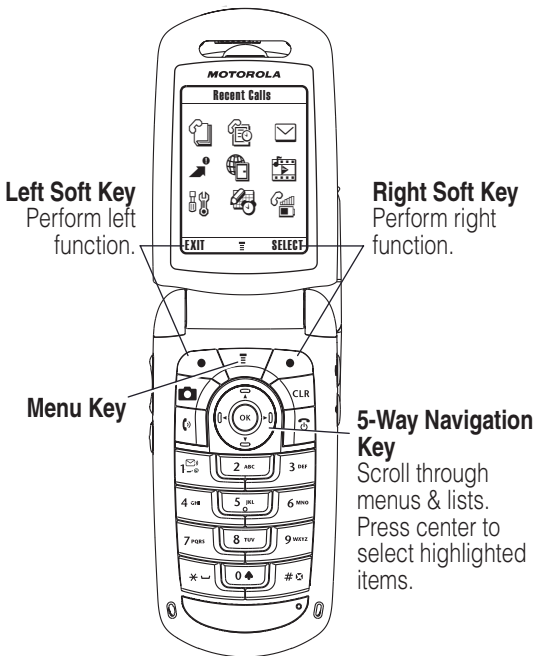
Press ◎ to scroll to and highlight a menu feature icon in the main menu. The following icons represent features that may appear in the main menu, depending on your service provider and service subscription options.

Menu Icon	Feature	Menu Icon	Feature
🗂	**Phonebook**	🗄	**Recent Calls**
✉	**Messages**	🎬	**Get It Now**
⊕	**Web Access**	🎞	**Multimedia**
⚙	**Settings**	🗃	**Tools**
📶	**Phone Status**		

Selecting a Menu Feature

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

Find the Feature ⟨Ⅰ⟩ > **Recent Calls** > **Dialed Calls**

This example shows that from the home screen, you must press ⟨Ⅰ⟩, scroll to and select **Recent Calls** from the main menu, then scroll to and select **Dialed Calls**. Press ⟨◎⟩ to scroll, and the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Learning to Use Your Phone

Selecting a Feature Option

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

Highlight Option

Press **BACK** (⌄) to return to previous screen.

Press **VIEW** (⌄) to view details of highlighted option.

Press (⊡) to open sub-menu.
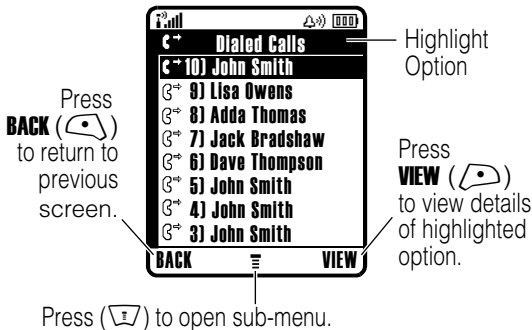
- Press ⊚ to scroll up or down to highlight the option you want.

- 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.

Entry Details

Name: John Smith — Highlighted Option

Category: General
No.: 2125551212
Type: Work
Speed No: 2
Ringer ID: Continental
Picture: None
......MORE......

CANCEL   CHANGE

Press ◎ to scroll down to other options.

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.

Msg
abc 1

CANCEL   ☰   INSERT

Flashing cursor indicates insertion point.

Press ⟨▽⟩ to open sub-menu.

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

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

Choosing a Text Entry Method

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

From any text entry screen, you can specify the entry method you want to use.

Find the Feature   `\I/` > Entry Mode

You can select the following entry mode options:

Primary	Use the text entry method assigned to this option (see below to set).
Numeric	Enter numbers only (see page 36).
Symbol	Enter symbols only (see page 37).
Secondary	Use the text entry method assigned to this option (see below to set).

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

Assigning Primary and Secondary Text Entry Methods

From any text entry screen, you can assign **Primary** and **Secondary** text entry method s.

Find the Feature   `\I/` > Entry Setup

	Press	To
1	`⊙`	scroll to **Primary Setup** or **Secondary Setup**

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	Press	**To**
2	**CHANGE** ($\diagup\bullet$)	view entry methods (see below)
3	$\copyright$	scroll to an entry method
4	**SELECT** ($\diagup\bullet$)	select the highlighted entry method

You can select 1 of these text entry methods:

iTAP English	Let the phone predict each English word as you press keys (see page 34).
iTAP Español	Let the phone predict each Spanish word as you press keys (see page 34).
TAP Method	Enter letters and numbers by pressing a key 1 or more times.

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
📖	📖	iTAP, no capital letters
📖⇧	📖⇧	iTAP, capitalize next letter only

| | | iTAP, all capital letters |

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

123 = numeric method   **@** = symbol method

Using Capitalization

Press $\boxed{0+}$ in any text entry screen to change text case. The following indicators show capitalization status:

abc = no capital letters	**Abc** = capitalize next
ABC = all capital letters	letter only

Using Tap Method

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

Regular **Tap** method cycles through the letters and number of the key you press. **Tap Extended** method also cycles through additional symbols as shown in the "Character Chart" on page 33.

	Press	**To**
1	a keypad key 1 or more times	select a letter, number, or symbol

	Press	**To**
2	keypad keys	enter remaining characters
		Tip: Press ◎ right to accept a word completion, or ✱ to insert a space.
3	**OK** (⌕)	store the text

In a text entry screen, you can press ⃞#⃞ to switch entry methods. An indicator shows which method is active (see page 30). If **Tap** or **Tap Extended** is not available as the **Primary** or **Secondary** entry method, see page 29.

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

Character displays at insertion point.

After 2 seconds, character is accepted and cursor moves to next position.

Press **OK** (⌕) to accept and store text.

Press **DELETE** (⌕) to delete character to left of insertion point.

Learning to Use Your Phone

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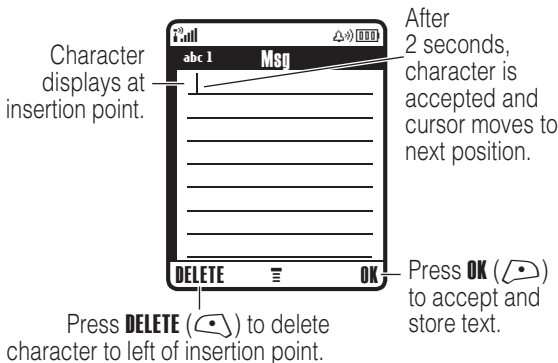
When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:

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 * / \ [ ] = > < # §
2ᴀʙᴄ	a b c 2 á
3ᴅᴇꜰ	d e f 3 é
4ɢʜɪ	g h i 4 í
5ᴊᴋʟ	j k l 5
6ᴍɴᴏ	m n o 6 ñ ó
7ᴘꞯʀꜱ	p q r s 7
8ᴛᴜᴠ	t u v 8 ú ü

9xyz	w x y z 9
0·1	*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.

- After 2 seconds, **Tap** method accepts the character, and the cursor moves to the next position.

- Press ◎ left or right to move the flashing cursor to the left or right in a text message.

- The first character of every sentence is capitalized. If necessary, press ◎ down to force the character to lowercase before the cursor moves to the next position.

- If you enter or edit information and do not want to save the changes, press ⊙ to exit without saving.

Using iTAP™ Method

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

Learning to Use Your Phone

For example, if you press ⁷ᵖ⁹ʳˢ ⁷ᵖ⁹ʳˢ ⁶ᵐⁿᵒ ⁴ᵍʰⁱ, letter combinations that match your key presses display:

Press ◎ up to accept **Program**.

Press ◎ right to highlight another combination. Press ⁑ to enter **Prog** and a space.

Press **DELETE** (◠) to delete last letter.

Press **SELECT** (◡) to lock highlighted combination.

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 #⁰ to switch entry methods. An indicator tells you which method is active (see page 30). If **iTAP** method is not available as the **Primary** or **Secondary** entry method, see page 29.

	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** ($\odot$)	lock a highlighted combination
		You can press keypad keys to add more letters to the end of the combination.
	or	
	$\boxed{*\!\!\llcorner}$	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 $\boxed{\#\circ}$ 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 $\boxed{\#\circ}$ to switch to another entry method.

Learning to Use Your Phone

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 * / \ [ ] = > < # §
2ABC	@ _ \
3DEF	/ : ;
4GHI	" & '

5_{JKL}	( ) [ ] { }
6_{MNO}	¿ ¡ ~
7_{PQRS}	< > =
8_{TUV}	$ £ ¥ ¤ €
9_{WXYZ}	# % *
$0+$	+ - 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 $\overline{\text{CLR}}$ to delete 1 letter at a time.
Hold $\overline{\text{CLR}}$ to delete all text.

Using the Smart Key

The *smart key* gives you another way to perform many basic phone functions. It anticipates the next action you are likely to perform. For example, when you highlight a menu item, you can press the smart key to select it. You can use the smart key to make and end calls, turn features on and off, and open your phonebook. The smart key

usually performs the same function as the right soft key ($\square$).

Using the External Display

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

- View time, date, and phone status information.

- Read messages that notify you of incoming calls and other events.

- Use the external display as a viewfinder when you take a self portrait with the phone's camera.

Setting Phone Alert Style

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

Return an Unanswered Call

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

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

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

Using the Handsfree Speaker

When you activate your phone's integrated handsfree speaker, you can use the phone without holding it to your ear.

> Press **SPEAKER** (⌒) 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 **Speaker On** in the home screen. The handsfree speaker remains on until you press **SPEAKER** (⌒) again or turn the phone off.

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

Changing a Code, PIN, or Password

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

If your service provider has **not** reset these codes, we recommend that you change them to prevent others from accessing your personal information. The unlock code

must contain 4 digits, and the security code must contain 6 digits.

To change a code or password:

Find the Feature $\boxed{\underline{\overline{x}}}$ > 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 59).

Locking Your Phone Manually

Find the Feature $\boxed{\underline{\overline{x}}}$ > Settings > Security > Phone Lock > Lock Now

	Press	To
1	keypad keys	enter your unlock code
2	OK ($\bigcirc$)	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** ($\bigcirc$)	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 $\qquad \boxed{\cdot} > $ **Settings** $>$ **Security**
$\qquad\qquad\qquad\qquad > $ **Phone Lock**
$\qquad\qquad\qquad\qquad > $ **Automatic Lock** $>$ **On**

	Press	To
1	keypad keys	enter your unlock code
2	**OK** ($\bigcirc$)	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	$\boxed{\text{I}}$	display the unlock code bypass screen
2	keypad keys	enter your security code
3	**OK** ($\widehat{\cdot}$)	submit your security code

If you forget your security code or call barring password, contact your service provider.

Using the Phonebook

This section briefly describes basic phonebook operation.

Storing a Phonebook Entry

A phone number or email address are required for a phonebook entry. All other information is optional.

Shortcut: Enter a phone number in the idle display, then press **STORE** ($\widehat{\cdot}$) to create a phonebook entry with the number in the **No.** field. Go directly to step 3 to continue.

Enter Information

Find the Feature $\boxed{\text{I}}$ > **Phonebook** > [New Entry]

	Press	**To**
1	◎	scroll to **Phone Number** or **Email Address**
2	**SELECT** (⟋•⟍)	select the entry type
3	**CHANGE** (⟋•⟍)	select **Name**
4	keypad keys	enter a name
	or	
	BROWSE (⟋•⟍)	select a name from the phonebook
5	**OK** (⟋•⟍)	store the name
6	**CHANGE** (⟋•⟍)	select **Category**
7	◎	scroll to the category to which you want to assign the entry (**Business**, **Personal**, **General**) or one that you create
8	**SELECT** (⟋•⟍)	select the category
9	◎	scroll to **No.**or **Email**
10	**CHANGE** (⟋•⟍)	select **No.** or **Email**

Learning to Use Your Phone

Press	To
11 keypad keys	enter the phone number or email address (to a maximum of 40 characters)
or	
BROWSE ($\bigcirc$)	select a number from the **Recent Calls** or **Dialed Calls** list or from the phonebook (if entering a number)
or	
	select an email address from **Emails** or from the phonebook (if entering an email address)
12 OK ($\bigcirc$)	store the phone number or email address
13 CHANGE ($\bigcirc$)	select **Type**
	Note: This option is not available for email entries.
14 $\bigodot$	scroll to the number type
15 SELECT ($\bigcirc$)	select the number type
16 $\bigodot$	scroll to **Speed No.**

Press	To
17 **DONE** ($\bigcirc$)	assign the next available speed dial number to the phonebook entry
or	
CHANGE ($\bigcirc$), keypad keys, then **OK** ($\bigcirc$)	enter and store a different speed dial number
18 **CHANGE** ($\bigcirc$)	select **Ringer ID** to assign a distinctive ringer alert for the phone number
	Your phone uses the alert to notify you when you receive a call from this phone number.
19 $\bigodot$	scroll to the alert you want
20 **SELECT** ($\bigcirc$)	store the ringer ID alert
21 **CHANGE** ($\bigcirc$)	select **Picture** to assign a picture to display when you select the entry
22 **SELECT** ($\bigcirc$)	select **MORE** to create another entry under the same **Name**
	You must use a different **Type** identifier for each number.

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (⌍)	store the entry

Storing a PIN Code with the Phone Number

You can store a PIN code with the phone number for calls that require additional digits (for example, to make a calling card call, or to retrieve voicemail or answering machine messages). Insert 1 or more of the following characters in the dialing sequence to ensure that the number dials and connects properly:

Press	To
⌹ > **Insert Pause**	insert a **p** (pause) character
	Your phone dials the preceding digits, waits for the call to connect, then sends the remaining digit(s). If your network does not recognize the first pause character, try 2 (**pp**).

Learning to Use Your Phone

Press	To
☷ > **Insert Wait**	insert a **w** (wait) character
	Your phone dials the preceding digits, waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s).
☷ > **Insert 'n'**	insert an **n** (number) character
	Your phone prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the **n** character.

Note: You can store a maximum of 40 digits per number. Each character counts as 1 digit.

Dialing a Number

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

Learning to Use Your Phone

Placing a Call Using Name Dial

Name Dial enables you to dial any entry in your phonebook by speaking the entry's name. With Name Dial, you do not have to train the phone to recognize your voice.

	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."
3	When prompted, say the full name of a phonebook entry (first name and then last name).
4	If the entry includes more than 1 phone number (for example, a work number and a mobile number), the phone asks **Which Number** and displays the possible choices.
	Specify the desired number by saying 1 of the listed choices.
	The phone dials the requested number.

Placing a Call with Advanced Digit Dialing

Advanced Voice Dialing lets you place a call by speaking a phone number. For instructions on using this feature, see page 73.

Sorting Phonebook Entries

Press $\boxed{\textbf{I}}$ > **Phonebook** > **Setup** > **Sort by**, then select whether you want to sort the phonebook list by **Name**, **Speed No.**, or **Email**.

When sorting by name, you can view **All** numbers or just the **Primary** number for each name. To set the primary number for a name, see page 72.

Note: Your phone recognizes only names entered in the same language as the **Language** setting (see page 79).

Note: If your phonebook includes 2 entries with the same name, only the first entry is recognized when you sort the phonebook list.

Viewing Entries By Category

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

To set the category for a phonebook entry, see page 44.

Setting Up Your Phone

Setting the Time and Date

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

Find the Feature $\boxed{\underline{\Xi}}$ > Settings > Initial Setup
> Time and Date

Setting an Alert Style

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

You can select 1 of 5 different alert styles. The ring alert indicator in the display shows the current alert style (see pages 21 and 23).

To set an alert style:

Find the Feature $\boxed{\underline{\Xi}}$ > Settings > Ring Styles
> Style

	Press	To
1	$\circledcirc$	scroll to the alert style
2	**SELECT** ($\diagup \bullet$)	select the alert style

Each alert style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press $\boxed{\underline{\Xi}}$ > Settings > Ring Styles > *Style* Detail.

Setting Answer Options

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

Multi-key	answer by pressing any key
Open To Answer	answer by opening the flip

To activate or deactivate an answer option:

Find the Feature $\boxed{\underline{\Xi}/}$ > Settings > In-Call Setup > Answer Options

	Press	To
1	$\textcircled{\scriptsize\textcircled{}}$	scroll to **Multi -key** or **Open To Answer**
2	**CHANGE** ($\boxed{\cdot}$)	select the option
3	$\textcircled{\scriptsize\textcircled{}}$	scroll to **On** or **Off**
4	**SELECT** ($\boxed{\cdot}$)	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 $\boxed{\underline{\Xi}/}$ > Settings > Personalize > Wallpaper

	Press	To
1	$\textcircled{\scriptsize\textcircled{}}$	scroll to **Picture**
2	**CHANGE** ($\boxed{\cdot}$)	open the picture viewer

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

Setting a Screen Saver Image

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 $\boxed{\underline{\underline{}}}$ > Settings > Personalize
> Screen Saver

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

Setting Display Color

Find the Feature $\boxed{\underline{\underline{}}}$ > Settings > Personalize
> Color Style

Setting Phone Greeting

Enter a greeting that your phone displays when you power it on.

Find the Feature $\boxed{\underline{\underline{}}}$ > Settings > Personalize
> Greeting

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　　　$\boxed{\underline{\overline{\overline{x}}}}$ > Settings > Initial Setup
　　　　　　　　　　　　　　> Backlight

Setting Display Contrast

Find the Feature　　　$\boxed{\underline{\overline{\overline{x}}}}$ > Settings > Initial Setup
　　　　　　　　　　　　　　> Contrast

Setting Display Brightness

Find the Feature　　　$\boxed{\underline{\overline{\overline{x}}}}$ > Settings > Initial Setup
　　　　　　　　　　　　　　> Brightness

Hiding or Showing Location Information

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

When ALI is set to **Location On**, your phone displays the 🦌 (ALI on) indicator. Services may use your known location to provide useful information (for example, driving directions, or the location of the nearest bank). Your phone

prompts you when the network or a service asks for your location. You can refuse at this point.

Find the Feature $\boxed{\underline{\overline{\mathbb{I}}}}$ > Settings > Location

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 $\boxed{\underline{\overline{\mathbb{I}}}}$ > Settings > Initial Setup
                                     > Battery Save

Calling Features

For basic instructions on how to make and answer calls, see page 13.

Changing the Active Line

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

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

Find the Feature $\boxed{\Xi}$ > Settings > Phone Status > Active Line

The active line indicator in the display shows the currently active phone 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

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

Using Caller ID

Incoming Calls

Calling line identification (Caller ID) displays the phone number for incoming calls.

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

You can also set your phone to play a distinctive ringer ID for specific entries stored in your phonebook (see page 79).

Outgoing Calls (GSM Only)

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

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Find the Feature $\boxed{\underline{\underline{\Xi}}}$ > Settings > In-Call Setup > My Caller ID

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

Press	To
⬚ > **Hide ID/Show ID**	hide or show your caller ID for the next call

Calling an Emergency Number

Your service provider programs 1 or more emergency phone numbers, such as 112, that you can call under any circumstances, even when your phone is locked.

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

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

Viewing Recent Calls

Your phone keeps 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 $\boxed{•}$ from the home screen to view the dialed calls list.

Find the Feature   Recent Calls ($\bigcirc$)

	Press	To
1	$\textcircled{\hspace{0.05em}\lozenge\hspace{0.05em}}$	scroll to **Received Calls** or **Dialed Calls**
2	SELECT ($\bigcirc$)	select the list
3	$\textcircled{\hspace{0.05em}\lozenge\hspace{0.05em}}$	scroll to an entry
		Note: ✓ means the call connected.
4	$\boxed{•}$	call the entry's number
		Tip: Press and hold $\boxed{⬛}$ for 2 seconds to send the number as DTMF tones during a call.
	or	
	VIEW ($\bigcirc$)	view entry details
	or	
	$\boxed{}$	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 phonebook entry with the number in the **No.** field.

Calling Features

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Option	Description
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.
Send Tones	Send the number to the network as DTMF tones.
	Note: This option displays only during a call.

Returning an Unanswered Call

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

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

	Press	To
1	VIEW ($\bigcirc$)	see the received calls list
2	$\circledcirc$	select a call to return
3	$\boxed{0}$	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 $\boxed{\cdots}$ > Recent Calls > Notepad

Press	To
$\boxed{\wp}$	call the number
or	
$\boxed{\cdots}$	open the **Dialing Menu** to attach a number or insert a special character
or	
STORE ($\boxed{\cdot}$)	create a phonebook entry with the number in the **No.** field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
$\boxed{\cdots}$ > **Attach Number**	attach a number from the phonebook or recent calls lists

Calling with Speed Dial

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

Tip: To see an entry's speed dial number, press $\boxed{\cdot}$ > **Phonebook**, scroll to the entry, and press **VIEW** ($\boxed{\cdot}$).

To speed dial a phonebook entry:

	Press	To
1	keypad keys	enter the speed dial number for the entry you want to call
2	$\boxed{\#}$	submit the number
3	$\boxed{\text{\textcopyright}}$	call the entry

Calling with 1-Touch Dial (CDMA Only)

You can call phonebook entries by pressing and holding a single key.

Phonebook entries can be stored in the phone's memory or on an installed SIM card. You can set your phone to 1-touch dial the first 9 entries in either memory location.

Find the Feature $\boxed{\cdot}$ > **Settings** > **Initial Setup** > **1-Touch Dial**

To call entries 1 through 9 in phone memory or 501 through 509 in SIM card memory, press and hold the single-digit 1-touch 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

Find the Feature $\boxed{\cdot\cdot}$ > Messages > VoiceMail
> CALL

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 phonebook entry number 1. If so, you can press and hold $\boxed{1\cdot\cdot}$ to call your voicemail number.

Receiving a Voicemail Message

When you receive a voicemail message, your phone displays the $\boxdot\vartextbf{»}$ (voicemail message) indicator and a New VoiceMail notification.

Press	To
CALL ($\boxed{\cdot}$)	listen to the message

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

Storing Your Voicemail Number

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

Find the Feature $\boxed{\underline{}}$ > **Messages**
                        > **Message Settings**
                        > **VoiceMail No.**

	Press	To
1	keypad keys	enter your voicemail number
2	**OK** ($\bigcirc$)	store the number

Using Call Waiting (GSM Only)

When you are on a call, an alert tone sounds to indicate that you have received a 2nd call.

	Press	To
1	$\boxed{\circ}$	answer the new call
2	**SWITCH** ($\bigcirc$)	switch between the 2 calls
	or	
	LINK ($\bigcirc$)	connect the 2 calls
	or	
	$\boxed{\underline{}}$ > **End Call On Hold**	end the call on hold

You must turn on Call Waiting to use the feature. To turn Call Waiting on or off:

Find the Feature $\overline{\Xi}$ > Settings > In-Call Setup
                          > Call Waiting

Putting a Call On Hold

Press	To
HOLD ($\bigcirc$) (if available) or $\overline{\Xi}$ > **Hold**	put the call on hold

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.

Phonebook

Recent Calls
- Received Calls
- Dialed Calls
- Notepad
- Call Times
- Data Times
- Data Volumes

Messages
- Create Message
- Voicemail
- Inbox
- Outbox
- Quick Notes
- Drafts
- Cleanup Messages
- Message Settings

Get It Now

Web Access

Multimedia
- Camera
- Pictures
- Sounds

Settings
(see next page)

Tools
- Calculator
- Datebook
- Shortcuts
- Voice Records
- Alarm Clock

Phone Status
- My Tel. Number
- Active Line
- Battery Meter
- Storage Devices
- Other Information

Settings Menu

- **Phone Mode**

- **Ring Styles**
  - Style
  - *style* Detail

- **Personalize**
  - Home Screen
  - Main Menu
  - Voice Dial Setup
  - Color Style
  - Greeting
  - Wallpaper
  - Screen Saver

- **In-Call Setup**
  - In-Call Timer
  - My Caller ID (GSM)
  - Talk and Fax (GSM)
  - Answer Options
  - Call Waiting (GSM)
  - MSG Alert

- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Call Barring (GSM)
  - Restrict Calls (CDMA)
  - SIM PIN (GSM)
  - New Passwords

- **Initial Setup**
  - Time and Date
  - SpeakerPhone
  - Auto PIN Dial (GSM)
  - 1-Touch Dial (CDMA)
  - Auto Redial (CDMA)
  - Backlight
  - TTY Setup (CDMA)
  - Scroll
  - Language
  - Battery Save
  - Contrast
  - Brightness
  - DTMF
  - Hyphenation
  - Master Reset
  - Master Clear

- **CDMA Settings**
  - Current Network
  - CDMA Set Mode
  - Srvc Status
  - Service Tone
  - Call Drop Tone

- **GSM Settings**
  - New Network
  - Network Setup
  - Available Networks
  - My Network List
  - Service Tone
  - Call Drop Tone

- **Car Settings**

- **Headset**

- **Location**

- **Connection**

- **Call Forward (GSM)**

Phone Features

Calling Features

Feature	Description	
Call Forwarding (GSM Only)	Set up or cancel call forwarding: $\boxed{\cdot}$ > **Settings** > **Call Forward**	*Network / Subscription Dependent Feature*
Restrict Calls (CDMA Only)	Restrict outgoing or incoming calls: $\boxed{\cdot}$ > **Settings** > **Security** > **Restrict Calls**	*Network / Subscription Dependent Feature*
Call Barring (GSM Only)	Restrict outgoing or incoming calls: $\boxed{\cdot}$ > **Settings** > **Security** > **Call Barring**	*Network / Subscription Dependent Feature*

Messages

Feature	Description	
Send Text Message	Send a text message: $\boxed{\cdot}$ > **Messages** > **Create Message**	*Network / Subscription Dependent Feature*
Read Message	Read a new text or multimedia message that you have received: Press **READ** ($\bigcirc$).	*Network / Subscription Dependent Feature*
Inbox Setup	Set up or edit the message inbox settings: $\boxed{\cdot}$ > **Messages** > **Message Settings** > **Inbox** $\boxed{\cdot}$ > **Inbox Menu**	*Network / Subscription Dependent Feature*

Feature	Description	
Quick Note	Send or create a quick note message: $\overline{\underline{\overline{}}}$ > **Messages** > **Quick Notes**	Network/Subscription Dependent Feature
Sent Messages	View sent messages: $\overline{\underline{\overline{}}}$ > **Messages** > **Outbox**	Network/Subscription Dependent Feature
Received Messages	Read received messages: $\overline{\underline{\overline{}}}$ > **Messages** > **Inbox** **Tip:** Press $\overline{\underline{\overline{}}}$ to perform various operations on the message.	Network/Subscription Dependent Feature
Drafts	View messages saved in drafts folder: $\overline{\underline{\overline{}}}$ > **Messages** > **Drafts**	Network/Subscription Dependent Feature
Cleanup Messages	Delete all messages or only messages from the **Outbox** or drafts folder: $\overline{\underline{\overline{}}}$ > **Messages** > **Cleanup Messages**	Network/Subscription Dependent Feature

Phonebook

Feature	Description
Create Entry	Create a new phonebook entry: $\overline{\underline{\overline{}}}$ > **Phonebook** $\overline{\underline{\overline{}}}$ > **New** > **Phone Number**
Create Group Mailing List	Create a group mailing list as a phonebook entry: $\overline{\underline{\overline{}}}$ > **Phonebook** $\overline{\underline{\overline{}}}$ > **New** > **Mailing List**

Feature	Description
Dial Number	Call a number stored in the phonebook: ⟨፸⟩ > **Phonebook**, highlight the phonebook entry, press ⟨ⓒ⟩ to call
Voice Dial Number	Voice dial a number stored in the phonebook: Press and release the voice key, say "Name Dial," then say the entry's name (within 2 seconds).
Set Ringer ID for Entry	Assign a distinctive ringer alert to a phonebook entry: ⟨፸⟩ > **Phonebook** > *entry* ⟨፸⟩ > **Edit** > **Ringer ID** > **CHANGE** > *ringer name*
Set Category for Entry	Set the category for a phonebook entry: ⟨፸⟩ > **Phonebook** > *entry* ⟨፸⟩ > **Edit** > **Category** > **CHANGE** > *category name*
Set Phonebook Entry Picture View	View phonebook entries as text list or as photos: ⟨፸⟩ > **Phonebook** ⟨፸⟩ > **Setup** > **View by** > **List** or **Photo**
Set Category View	Set a phonebook category view: ⟨፸⟩ > **Phonebook** ⟨፸⟩ > **Categories** > *category name*

Phone Features

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Feature	Description
Sort Phonebook List	Set the order in which phonebook entries are listed: `≡` > **Phonebook** `≡` > **Setup** > **Sort by** > *sort order*
Set Primary Number	Set the primary number for a phonebook entry with multiple numbers: `≡` > **Phonebook** > *entry* `≡` > **Set Primary** > *phone number*
View All or Primary Contacts	`≡` > **Phonebook** `≡` > **Setup** > **View**
Edit Entry	Edit a phonebook entry: `≡` > **Phonebook** > *entry* `≡` > **Edit**
Delete Entry	Delete a phonebook entry: `≡` > **Phonebook** > *entry* `≡` > **Delete**
Copy Phonebook Entry	Copy a phonebook entry to another location in phonebook: `≡` > **Phonebook** > *entry* `≡` > **Copy Entry** > *location number*
Copy Multiple Phonebook Entries	Copy a phonebook entry to another location in phonebook: `≡` > **Phonebook** > *entry* `≡` > **Copy Entries** > **From(start):** > *location number* > **From(end):** > *location number* > **To(start):** > *location number*

Personalizing Features

Using Voice Commands to Place Calls

Advanced Voice Dialing lets you place a call by speaking a phone number.

Note: This feature supports the Chinese dial plan as well as 7-digit, 10-digit, and 11-digit numbers. It does **not** support and will **not** dial 3-digit numbers such as 112. If you need to make an emergency call, use your 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 "Digit Dial."

Action

3 When prompted, say the phone number.

If the phone recognizes the number, it dials that number.

If the phone asks you to repeat a number, say it again. If the number is not valid or is not recognized, the phone does not place the call.

If the phone does not recognize the number, it displays a list of up to 3 numbers and asks, "Did you say ..." followed by the first number in the list.

- If the number is correct, say "Yes" to dial that number.

or

- If the number is not correct, say "No" to go to the next number.

or

- To select the number manually, scroll to the correct number on the list and press **SELECT** ($\bigcirc$).

or

- To exit the list and repeat the number, press the voice button.

If you reach the end of the list without confirming a number, the phone asks if you want to try again. Say "Yes" to say the number again or "No" to exit without placing a call.

Tip: Speak numbers 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 adapting over someone else's adaptation.

Adapting Advanced Voice Dialing to Your Voice

Find the Feature $\boxed{\underline{=/}}$ > Settings > Personalize
                              > Voice Dial Setup

	Action
1	Scroll to **Adapt Digits**.
2	Press **SELECT** ($\odot$).
3	Press **START** ($\odot$).
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.

Action
5 If the recording sounds acceptable (no mistakes or background noises), say "Yes" or press **YES** ($\diamond$). If the recording is not acceptable, say "No" or press **NO** ($\diamond$). When prompted to say the digits again, wait for the beep and then record the digits again. Repeat this step until you are satisfied with the recording.
6 Repeat the recording process with each set of digits (12 in all) until adaptation 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 $\boxed{\text{I}}$ > Settings > Personalize
                        > Voice Dial Setup

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

Additional Personalizing Features

Feature	Description
Ring Alert	Change the ring alert for an event: $\boxed{\text{I}}$ > Settings > Ring Styles > *Style* Detail > *event name*
Ringer IDs	Activate distinctive ringer alerts assigned to phonebook entries: $\boxed{\text{I}}$ > Settings > Ring Styles > *Style* Detail > Ringer IDs
Ring Volume	Set ringer volume: $\boxed{\text{I}}$ > Settings > Ring Styles > *Style* Detail > Ring Volume
Keypad Volume	Set keypad keypress volume: $\boxed{\text{I}}$ > Settings > Ring Styles > *Style* Detail > Key Volume
Reminders	Set reminder alerts for picture, text, or voicemail messages you receive: $\boxed{\text{I}}$ > Settings > Ring Styles > *Style* Detail > Reminders

Feature	Description
Greeting	Change the greeting that appears when you turn on your phone: 〰️ > **Settings** > **Personalize** > **Greeting**
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold 〰️. Select a shortcut: 〰️ > **Tools** > **Shortcuts** > *shortcut name*
Message Alerts	Set whether or not you are alerted to incoming messages during a call: 〰️ > **Settings** > **In-Call Setup** **MSG Alert**
Phone Spec- ifications	View your phone's feature specifications: 〰️ > **Phone Status** > **Other Information**
View and Manage Storage Devices	〰️ > **Phone Status** > **Storage Devices**

Menu Features

Feature	Description
Hide or Show Home Keys	〒 > Settings > Personalize > Home Screen > Home Keys
Set Clock Type	Set analog or digital time display on home screen: 〒 > Settings > Personalize > Home Screen > Clock
Language	Set display language: 〒 > Settings > Initial Setup > Language
Scroll	Set the highlight bar to stop or wrap around in menu lists: 〒 > Settings > Initial Setup > Scroll
Master Reset	Reset all options *except* unlock code, security code, and lifetime timer: 〒 > 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: 〒 > Settings > Initial Setup > Master Clear

Dialing Features

Feature	Description
Auto PIN Dial (GSM Only)	Automatically dial an authenticating PIN code for outgoing calls: ⌨ > **Settings** > **Initial Setup** > **Auto PIN Dial**
DTMF Tones	Activate DTMF tones: ⌨ > **Settings** > **Initial Setup** > **DTMF** Send DTMF tones during a call: Press number keys. Send stored numbers as DTMF tones during a call: Highlight a number in the phonebook or recent calls lists, then press ⌨ > **Send Tones**.

Call Monitoring

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

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service

provider. For billing information, please contact your service provider directly.

Feature	Description	
Call Times	View call timers: **Recent Calls** (⌒\) > **Call Times**	Network / Subscription Dependent Feature
In-Call Timer	Display time or cost information during a call: ▢ > **Settings** > **In-Call Setup** > **In-Call Timer**	Network / Subscription Dependent Feature
Data Times	View data call timers: **Recent Calls** (⌒\) > **Data Times**	Network / Subscription Dependent Feature
Data Volumes	View data volume meters: **Recent Calls** (⌒\) > **Data Volumes**	Network / Subscription Dependent Feature
Battery Charge	View a detailed battery charge meter: ▢ > **Phone Status** > **Battery Meter**	

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)	Adjust volume levels of car kit accessory: During an active call, press your phone's up or down volume keys.	Optional Accessory
Speaker-phone	Activate a connected external speakerphone during a call: Press **SPEAKER** ($\diamond$) (if available) or $\boxed{\underline{}}$ > Spkrphone On.	Optional Accessory
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: $\boxed{\underline{}}$ > Settings > Car Settings > Auto Answer or > Headset > Auto Answer	Optional Accessory
Voice Dial (headset)	Enable voice dial with headset send/end key: $\boxed{\underline{}}$ > Settings > Headset > Voice Dial	Optional Accessory
Auto Handsfree (car kit)	Automatically route calls to a car kit when connected: $\boxed{\underline{}}$ > Settings > Car Settings > Auto Handsfree	Optional Accessory

Feature	Description	
Power-Off Delay (car kit)	Set the phone to stay on for a period of time after the ignition is switched off: $\boxed{\underline{\textbf{I}}}$ > **Settings** > **Car Settings** > **Power-Off Delay**	Optional Accessory
Charger Time (car kit)	Charge the phone for a period of time after the ignition is switched off: $\boxed{\underline{\textbf{I}}}$ > **Settings** > **Car Settings** > **Charger Time**	Optional Accessory

Data and Fax Calls

Feature	Description	
Send Data or Fax	Connect your phone to the device, then place the call through the device application.	Optional Accessory
Receive Data or Fax	Connect your phone to the device, then answer the call through the device application.	Optional Accessory
Talk and Fax (GSM Only)	Connect your phone to the device, enter the number, press $\boxed{\underline{\textbf{I}}}$ > **Dialing Menu** > **Talk and Fax**, then press $\boxed{\textbf{{©}}}$ to make the call.	Optional Accessory

Network Features

Feature	Description	
Select Account (CDMA/ GSM)	Select from CDMA and GSM accounts: M > **Settings** > **Phone Mode** > *desired account*	Network / Subscription Dependent Feature

GSM Network Settings

Feature	Description	
Find New Network	M > **Settings** > **GSM Settings** > **New Network**	Network / Subscription Dependent Feature
Change Network Setup Values	Set how your phone searches for a network connection: M > **Settings** > **GSM Settings** > **Network Setup**	Network / Subscription Dependent Feature
List Networks	View a list of available networks, and register your phone with a network: M > **Settings** > **GSM Settings** > **Available Networks**	Network / Subscription Dependent Feature
View Your Networks	View a list of all networks that your phone can use: M > **Settings** > **GSM Settings** > **My Network List**	Network / Subscription Dependent Feature

Feature	Description	
Adjust Service Tones	Set your phone to beep each time the network registration status changes: ⧉ > **Settings** > **GSM Settings** > **Service Tone**	Network/Subscription Dependent Feature
Set Call Drop Alert	Set your phone to emit an alert tone whenever the network drops a call: ⧉ > **Settings** > **GSM Settings** > **Call Drop Tone**	Network/Subscription Dependent Feature

CDMA Network Settings

Feature	Description	
View Current Network	⧉ > **Settings** > **CDMA Settings** > **Current Network**	Network/Subscription Dependent Feature
Configure System Mode	Switch to another mode to improve calling conditions, network coverage, or roaming conditions: ⧉ > **Settings** > **CDMA Settings** > **CDMA Set Mode**	Network/Subscription Dependent Feature
Select System	Select phone's system according to system channel: ⧉ > **Settings** > **CDMA Settings** > **Srvc Status**	Network/Subscription Dependent Feature

Phone Features

Feature	Description
Adjust Service Tones	Set your phone to beep each time the network registration status changes: $\boxed{\underline{\mathbb{I}}/}$ > **Settings** > **CDMA Settings** > **Service Tone**
Set Call Drop Alert	Set your phone to emit an alert tone whenever the network drops a call: $\boxed{\underline{\mathbb{I}}/}$ > **Settings** > **CDMA Settings** > **Call Drop Tone**

Personal Organizer Features

Feature	Description
Add Datebook Event	Add an event to the datebook: $\boxed{\underline{\mathbb{I}}/}$ > **Tools** > **Datebook** > *day* $\boxed{\underline{\mathbb{I}}/}$ > **New**
View Datebook Event	View or edit event details: $\boxed{\underline{\mathbb{I}}/}$ > **Tools** > **Datebook** > *day* > *event name*
Event Reminder	View event reminder: **VIEW** ($\boxed{\diagup\!\diagdown}$) Dismiss event reminder: **EXIT** ($\boxed{\diagdown\!\diagup}$)
Copy Datebook Event	Copy a datebook event to date and/or time: $\boxed{\underline{\mathbb{I}}/}$ > **Tools** > **Datebook** > *day* > *event* $\boxed{\underline{\mathbb{I}}/}$ > **Copy**

Feature	Description
Set Alarm	Set an alarm: ⌧ > **Tools** > **Alarm Clock**
Turn Off Alarm	Turn off alarm: Press **DISABLE** (⌧) or ⌧. Set 8-minute delay: Press **SNOOZE** (⌧).
Create Voice Record	Create a voice record: Press and hold voice key, speak into the phone, release voice key. **Note:** Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.
Play Voice Record	Play back a voice record: ⌧ > **Tools** > **Voice Records**
Calculator	Calculate numbers: ⌧ > **Tools** > **Calculator**
Currency Converter	Convert currency: ⌧ > **Tools** > **Calculator** ⌧ > **Exchange Rate** Enter exchange rate, press **OK** (⌧), enter amount, press ⌧ > **Convert Currency**.

Security

Feature	Description
SIM PIN (GSM Only)	Lock or unlock the SIM card: $\boxed{\underline{\imath}}$ > Settings > Security > SIM PIN
Lock Application	Lock phone applications: $\boxed{\underline{\imath}}$ > Settings > Security > Lock Application
Lock Keypad	$\boxed{\underline{\imath}}$ > Settings > Security > Lock Keypad

News and Entertainment

Feature	Description	
Launch Micro-Browser	Start a micro-browser session: $\boxed{\underline{\imath}}$ > Web Access > Web Browser	Network/Subscription Dependent Feature
Web Sessions	Select or create a Web session: $\boxed{\underline{\imath}}$ > Web Access > Web Sessions	Network/Subscription Dependent Feature
Download Game or Application (Get It Now)	Download a game or application with Get It Now: $\boxed{\underline{\imath}}$ > Get It Now > application > SELECT ($\bigcirc$) > DWNLOAD ($\bigcirc$)	Network/Subscription Dependent Feature
Manage Pictures	Manage pictures and animations: $\boxed{\underline{\imath}}$ > Multimedia > Pictures	Network/Subscription Dependent Feature

Feature	Description
Manage Sounds	Manage ring tones, sounds that you have composed or downloaded: `⟨�__⟩ > Multimedia > 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 1.53 W/kg, and when worn on the body, as

described in this user guide, is 1.47 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.

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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.

Contents

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.

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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.
⊖ LiIon BATT ⊕	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

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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

![FDA logo]

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 <u>do not</u> 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.

MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

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

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

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

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

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

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

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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™

Safety–
Your most
important call

Motorola Reminds You
To Use Your Phone
Safely When Driving