

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT56DH1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:



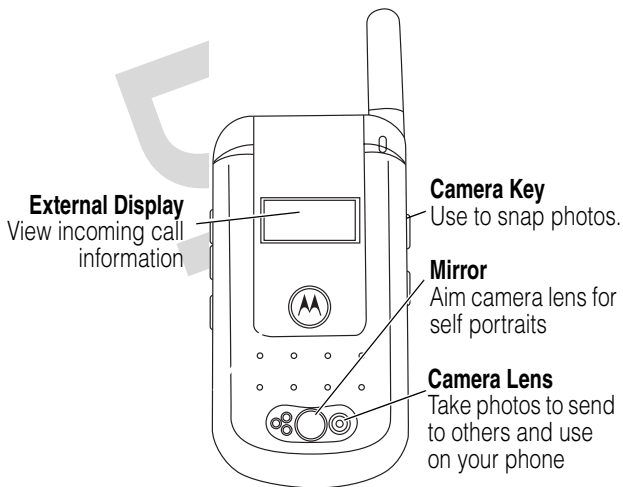
MOTOROLA

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola E810 CDMA wireless phone.

Check It Out!



Feature	Description
Take Photo	Activate the camera:  > Media Center > Pictures  > New > New Picture Point lens at subject, press CAPTURE () ,  , or the camera key to capture viewfinder image. Shortcut: You can also activate the camera by pressing and holding the camera key.

Feature	Description
Send Photo	Send the photo to a phone number or email address. After taking the photo: Press STORE (⊖) > Send In Message
Set Photo as Caller ID Picture	Assign a photo to a Contacts entry to enable picture caller ID. After taking the photo: Press STORE (⊖) > Apply to Contacts
Send Multimedia Message	Send a message with inserted pictures, animations, sounds:  > Message Center > CREATE > Multimedia Message



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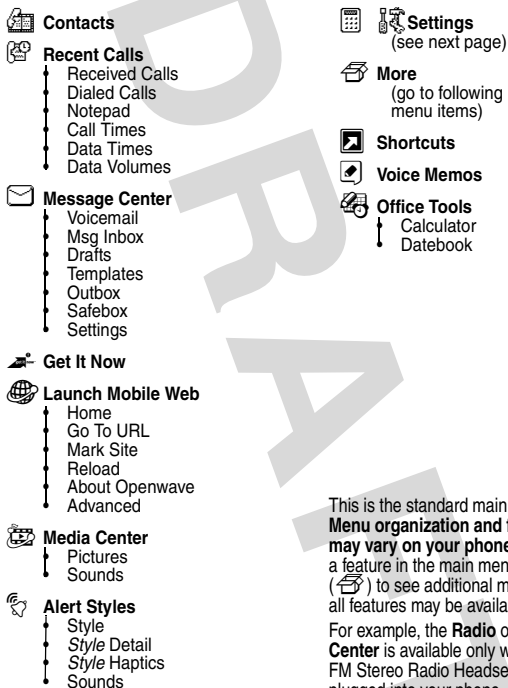
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Menu Map

Main Menu



This is the standard main menu layout. **Menu organization and feature names may vary on your phone.** If you do not find a feature in the main menu, select **More** () to see additional menu features. Not all features may be available for all users. For example, the **Radio** option under **Media Center** is available only when the optional FM Stereo Radio Headset accessory is plugged into your phone.

* Optional network/subscription dependent feature.

Settings Menu

Personalize

- Main Menu
- Home Keys
- Color Style
- Greeting
- Banner
- Haptics
- Wallpaper
- Themes
- Screen Saver

Initial Setup

- Time and Date
- Auto PIN Dial
- Auto Redial
- Backlight
- Service Lamp
- TTY Setup
- Scroll
- Animation
- Language
- Brightness
- DTMF
- Master Reset
- Master Clear

Browser Setup

Connection

- Incoming Call

In-Call Setup

- In-Call Timer
- Answer Options

Phone Status

- My Tel. Number
- Active Line
- Battery Meter
- Other Information

Security

- Phone Lock
- Lock Side Keys
- Lock Application
- Restrict Calls
- New Passwords
- 1xRTT Data

Location

More

(go to following menu items)

Network

Car Settings

Headset

Shortcuts

Change display zoom:

Press , then
press and hold 

Change ringer alert:

Open flip, press down volume key to decrease volume, then switch to silent alert. Press up volume key to reset ring alert and increase volume.

Display my phone number:

Press   * (in idle)

Go to dialed calls list:

Press  (in idle)

Exit menu system:

Press 

Safety and General Information

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

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

Exposure To Radio Frequency (RF) Energy

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

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

Operational Precautions

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

External Antenna Care

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

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

Phone Operation

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

Body-Worn Operation

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

Data Operation

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

Approved Accessories

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

RF Energy Interference/Compatibility

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

Facilities

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

Aircraft

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

Medical Devices

Pacemakers

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

Persons with pacemakers should:

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

Hearing Aids

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

Other Medical Devices

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

Use While Driving

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

When using your phone while driving, please:

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

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

www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

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

Potentially Explosive Atmospheres

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

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

Blasting Caps and Areas

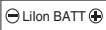
To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in

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

Batteries

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

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

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

Seizures/Blackouts

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

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

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

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

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

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

Repetitive Motion Injuries

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

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

Getting Started



What's in the Box?

Your dphone typically comes with a battery and charger. You can purchase other accessories to customize your phone for maximum performance and portability.

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

About This Guide

Optional Features



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

Optional Accessories



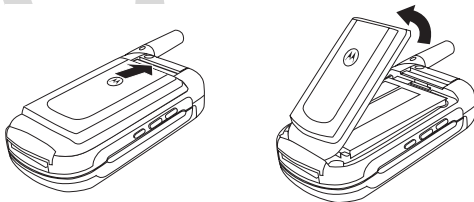
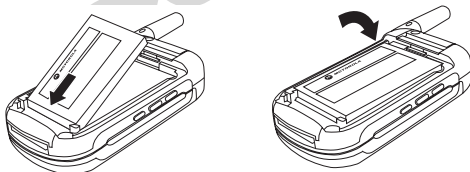
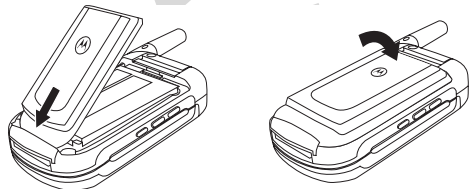
This label identifies a feature that requires an optional Motorola Original™ accessory.

Installing the Battery

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



Your phone is designed for use only with Motorola Original batteries and accessories. Store batteries in their protective cases when not in use.

Action**1****2****3**

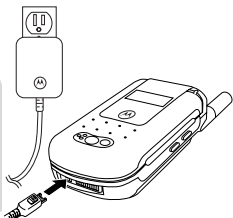
Charging the Battery

New batteries are partially charged. Before using your phone, install and charge the battery. Some batteries perform best after several full charge/discharge cycles.



Action

- 1 Attach the charger into the phone, and plug the other end into an appropriate electrical outlet.



- 2 When you see **Charge Complete**), press the release tab and remove the charger.

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

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 long periods of time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.



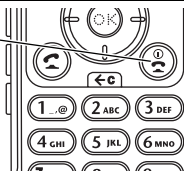
The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode.



Turning On Your Phone

Action

- 1 Press & hold for 3 seconds.



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

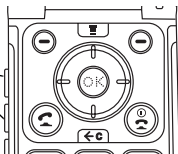


Adjusting Volume

Press up or down to:

- adjust earpiece volume during a call
- adjust ringer volume from home screen (with flip open)
- turn off an incoming call alert

Volume Buttons



Making a Call

Action

- 1 Dial the number.

Tip: If you make a mistake, press the clear key  to delete the last digit. Press and hold  to clear all digits.

Action

- 2 Press  to make the call.
- 3 Press  to end the call.



Note: You must dial the phone number from the idle display. See page 30.

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.



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.

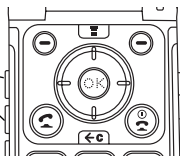
Changing the Call Alert

Phone Flip Open

Press the down volume button to switch to lower call alert volume, then

switch to vibrate and , finally, silent alert. Press the up volume button to cycle back from silent alert to vibrate and then to the lowest alert volume setting..

Volume Buttons



Getting Started

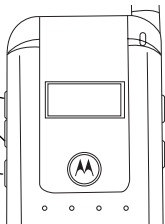
Phone Flip Closed

Press the smart key, then press the up and down volume buttons to scroll through the alert styles:

Loud, Soft, Vibrate, Vibe & Ring, and **Silent.** The alert styles shown on the external display.

Volume Buttons

Smart Key



After scrolling to the desired alert style, press the smart key to save the setting and return to the idle display.

Viewing Your Phone Number

To view your phone number from the idle display, press



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

Highlight Features

Taking and Sending a Photo

To activate your phone's camera:

Find the Feature

 > **Media Center** > **Pictures** 
> **New** > **New Picture**

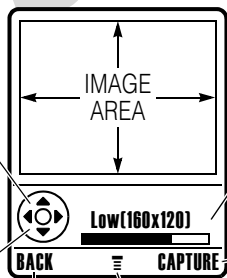
Shortcut: You can also activate the camera by pressing and holding the camera key.

The active viewfinder image appears.

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

Press  left or right to decrease or increase image brightness.

Return to previous screen.



Viewfinder resolution.

Freeze the viewfinder image.

Press  to open **Pictures Menu**.

To take a photo:

Action

- 1 Aim the camera.
- 2 If desired, press  to go to the **Pictures Menu**.
See the table following these steps for a list of **Pictures Menu** options.
- 3 Press **CAPTURE** () or the camera button to take the photo.
- 4 Press **STORE** (). Continue to step 4 below.

or
Press **DISCARD** () to delete the photo and return to active viewfinder mode.
- 5 Scroll to **Send in Message**, **Store**, **Apply to Contact**, **Apply as Wallpaper**, or **Apply as Screen Saver**.
- 6 Press **SELECT** () to select the desired option.

Tip: Use the mirror beside the camera lens to aim the lens for a self portrait.

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

Option	Description
Quality	Select Low , Normal , or Best .
Zoom	Zoom closer to or farther from the image.
Change resolution	Select Low (160X120) , Med(320X240) , or High(640X480)

Option	Description
Change Brightness	Modify the image brightness to adjust for lighting differences.
Change Contrast	Increase or decrease contrast.
Change Image Style	Select an alternative effect for the photo.
Add image border	Select a “frame” for the photo.
Flash	Set a flash for photos taken in settings with low light.
Mirror Effect	
Multi Shot	Set the camera to take multiple photos in quick succession when you press CAPTURE (⊖) 1 time.
Night Mode	Set the camera to adjust automatically for low light.
Shutter Tone	Change the sound the phone makes as it takes a photo.
STATUS	View current settings for all camera options.
Delete All	Delete all stored photos.
View Used Space	View the percent of photo memory currently available.

Sending a Multimedia Message



A *Multimedia Messaging Service (MMS)* message can contain media elements including text, photos, pictures, animations, sounds, and voice records. You can send the message to other wireless phones and to email addresses.

Find the Feature

-  > **Message Center**
- > **Create** (⊖)
- > **Multimedia Message**

Action

- 1 Type the message.

or

Insert a media element"

- a Press .
- b Scroll to **Insert** and press **SELECT** (⊖) or .
- See the table following these steps for a list of **Multimedia Menu** options.
- c Scroll to the file you want and press **SELECT** (⊖).

-
- 2 If desired, enter message text (or modify existing message text).
-
- 3 Press **NEXT** (⊖) go to the **Send To:** screen.
-

Action

- 4 Scroll to the desired entry from your **Contacts** list and press .

or

Add anew contact:

- a Scroll to **[New Contact]** and press .
- b Scroll to and select **Phone Number** or **Email Address**.
- c Enter and store 1 or more phone numbers and/or email addresses.

-
- 5 Press **NEXT** () to proceed to the **Send** screen, and complete the desired entries:

Subject:—Type the subject and press **OK** (.

Cc:—Press  to begin entering message copy recipient(s).

BCC:— Press  to begin entering recipient(s) of message copy who are not to be known to other recipient(s).

Priority:—Set to **Normal** or **Urgent**.

Read Reply:—

Receipt:—Specify whether you want to receive an indication that message is delivered.

Attachment:—Press  to begin adding a picture, animation, or sound.

-
- 6 Press **SEND** () to send the message
-

The **Multimedia Message Menu** can include these options:

Option	Description
Insert	select and insert: Picture—prestored picture or animation Sound—prestored sound Voice Memo—stored voice memo New Picture—a photo that you take while composing the message New Voice Memo—a Voice Memo that you record while composing the message New Page—inserts an additional message “page” The indicator at the top of the multimedia message page (for example, 2/2) specifies the currently displayed page of the message. New Template—pre-written text message (for example, Call me at ...) You can also create new Text Templates.
Entry Mode	select Numeric , Symbol , Primary , or Secondary (see page 38)

Option	Description
Entry Setup	select TAP or iTAP (see page 38)
Cut	delete text
Copy	copy text
Paste	paste text that was copied previously
Format Text	apply formatting options to text
Previous Page/Next Page	navigate through message pages

Receiving an MMS Message



When you receive an MMS message, your phone displays  (message waiting) and **New Message**, and sounds an alert.

Press	To
READ (⊖)	open the message

Received MMS messages can contain the following:

- Inserted photos, pictures, and animations, displayed as you read the message.
- An inserted sound file, which plays when you scroll to the sound file indicator in the message. Use the volume keys to adjust volume.
- Attached files, appended to the end of the message. To open the attachment, highlight the file indicator/

filename and press **VIEW** (⊖) (image file type), **PLAY** (⊖) (sound file), or **OPEN** (⊖) (vObject or unknown file type).

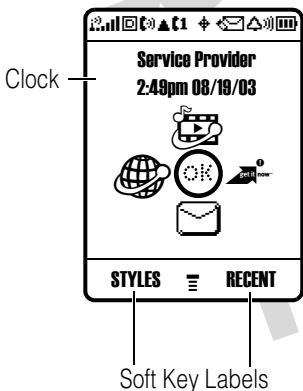
The device may request permission to bond with your phone. Select **YES** (⊖) and enter the PIN code to create a secure connection. When the connection is made, the  (Bluetooth) indicator appears at the top of the display.

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

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

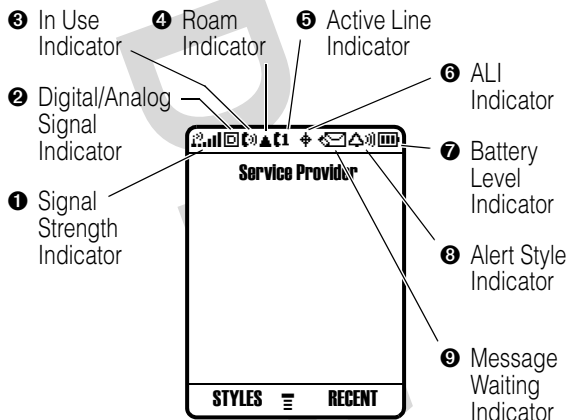


Press the 4-way navigation key (⊙) left, right, up, or down to select one of the 4 menu options in the idle display.

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

right soft key (⊖) to perform the function indicated by the left or right soft key label.

The following status indicators can display:



1 Signal Strength Indicator Indicates the strength of your phone's connection with the network.

Strong No Signal

You cannot make or answer calls when the "no signal" indicator displays.



2 Digital/Analog Signal Indicator Shows whether you are receiving a digital or analog signal:

= digital signal

= analog signal



 = 13K digital

 = 8K digital

 = packet data service

③ In Use Indicator Indicates that a call is in progress. Other indicators can include:

 = secure CSD call

 = unsecure CSD call

 = secure packet data transfer

 = unsecure packet data transfer

 = secure application connection

 = unsecure application connection



④ Roam Indicator Displays when your phone uses another network outside your home network (). When you leave your home network area, your phone *roams*, or seeks, another network.



⑤ Active Line Indicator Shows  or  to indicate the currently active phone line.



⑥ ALI Indicator Shows the status of the *automatic location information* feature:

 = ALI on

 = ALI off

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

⑧ Ring Style Indicator Shows the ring style setting:

 = loud ring

 = soft ring

 = vibrate

 = vibrate and ring

 = silent



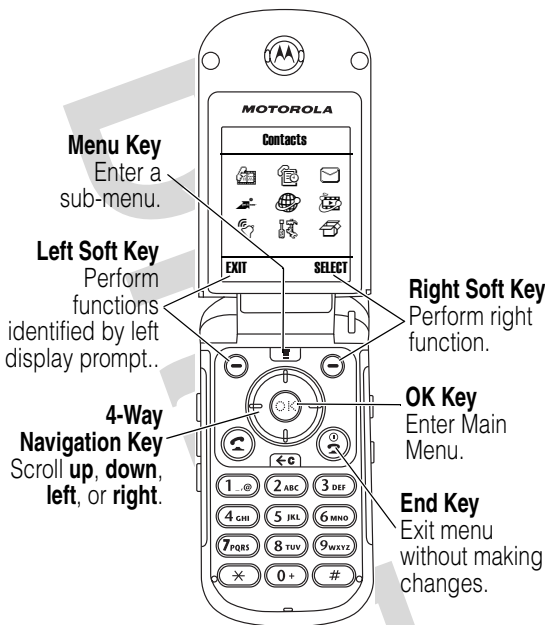
⑨ Message Waiting Indicator Appears when you receive a text message. Other indicators can include:

 = voicemail message

 = voicemail and text message



Using Menus



Selecting a Menu Feature

You can access most of your phone's features through a system of menus. The idle display shows 4 icons that represent 4 of these menus. Press  to select one of these icons and open the corresponding menu.

Press  to display the main menu. From the main menu you can select the following feature menus, which are represented by the icons shown:

Menu Icon	Feature	Menu Icon	Feature
	Contacts		Alert Styles
	Recent Calls		Settings
	Message Center		Voice Memos
	Get it Now		More
	Launch Mobile Web		Shortcuts
	Media Center		Office Tools

* Optional network/subscription dependent feature.

Press **More** () to see features listed above that do not appear in the main menu.

Note: Menu organization, feature names, and feature availability may vary depending on your service provider and service subscription options.

Tip: You can set your phone to display the main menu as a text-based list rather than graphic icons. See page 90.

Selecting a Menu Feature

From the idle display, select a menu feature as follows:

Find the Feature

 > **Contacts**

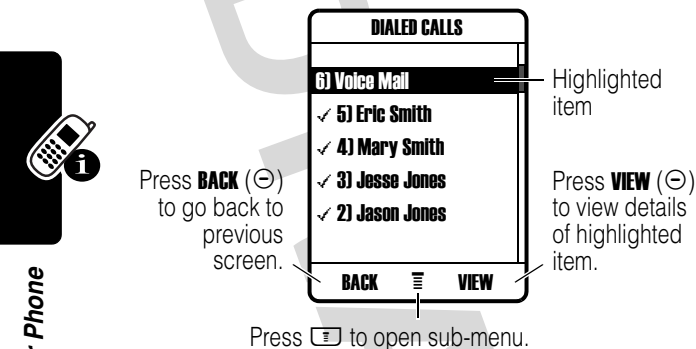
This example shows that from the idle display, you must press OK, then scroll to and select **Contacts** from the main menu. Use  to scroll, and the left/right soft keys to select



the functions listed in the bottom left and right corners of the display.

Selecting a Feature Option

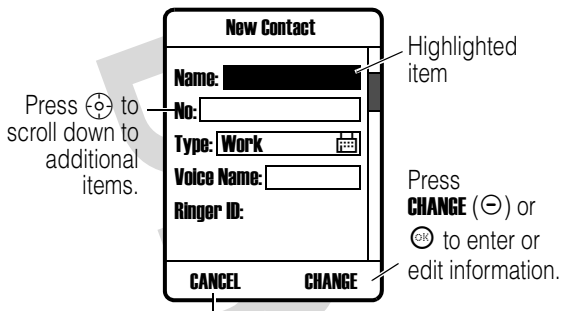
Some features require you to select an item from a list:



- Press to scroll up or down to highlight an item.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.
- When an item has a list of possible values, press left or right to scroll to a desired value, then to select it.
- When an item has a list of possible numeric values, press a number key to set the value.

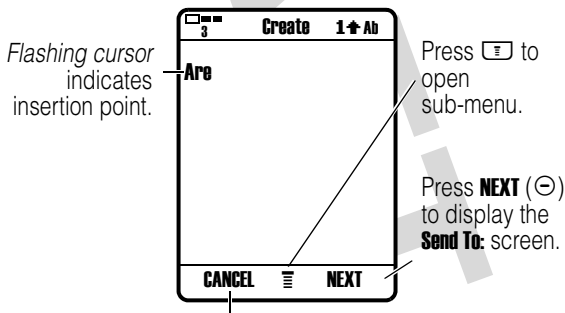
Entering Text

Some features require you to enter information:



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

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



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



Choosing an Entry Method

Most text entry screens let you enter letters, numbers, and/or symbols as required. Press  > **Entry Setup**) from a text entry screen to select an entry method:

- ITAP** Let the phone predict each word as you enter it (see page 41).
- Tap Method** Enter letters, numbers, and symbols by pressing a key one or more times (see following section).

Choosing an Entry Mode

Any time you enter text, you can select the entry mode:

- Numeric** Enter numbers only.
- Symbol** Enter symbols only (see page 45).
- Primary** Specify your preferred entry method (**ITAP** or **Tap Method**).
- Secondary** Specify an alternate entry method (**ITAP** or **Tap Method**).

Press the  key to cycle through entry modes.

Entry Screen Displays

Whenever you are in an entry screen, icons at the top of the screen indicate the entry method and mode:

Primary		Secondary	
1	ab	2ab	Tap, no capital letters
1↻	Ab	2↻Ab	Tap, next letter capital

Primary

1 ↗ AB

1 □ ab

1 ↗ Ab

1 ↗ AB

Secondary

2 ↗ AB

2 □ ab

2 ↗ Ab

2 ↗ AB

Tap, all capital letters

iTAP, no capital letters

iTAP, next letter capital

iTAP, all capital letters

Using Tap Method

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

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

Press	To
1 a number key 1 or more times	select a letter, number, or symbol shown in the "Character Chart" on page 41
2 number keys	enter the remaining characters
3 OK (⊖)	store the text when you are finished



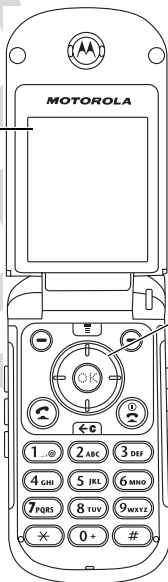
General Text Entry Rules

Press a number key repeatedly to cycle through its characters. See the “Character Chart” on page 41.

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

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

Press **up** or **down** to change letter in block cursor to uppercase or lowercase. Press **left** or **right** to move flashing cursor to left or right in text message.



- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- The first character of every sentence is capitalized. (Press  down to force the character to lowercase while it is highlighted by the block cursor.)

Character Chart

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

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

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

Using iTAP™ Software Predictive Text Entry Method

iTAP™ software is a predictive text entry method that lets you enter a word using 1 keystroke per letter.

Press  > **Entry Setup** from any text entry screen and select the **iTAP** menu option.

Note: You can switch languages within a message in iTAP text mode. Press  > **Entry Setup** to select the language you want to use.



Entering Words

Action

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

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

- 2 Press number keys (1 per letter) to enter the rest of the word.

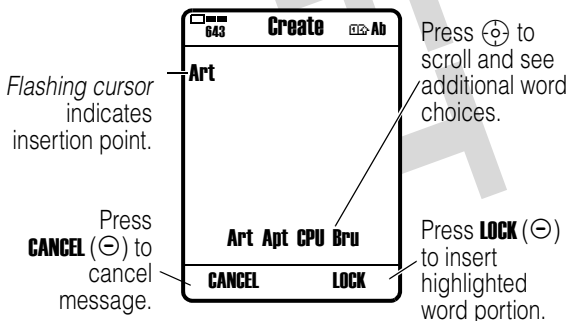
Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.

- 3 Press  to highlight the word you want.

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

A space is automatically inserted after the word.

For example, to spell the word “art,” press    .
The display shows:



Entering Novel Words

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

Action

- 1 Press **⌫** 1 or more times to delete letters until you see a letter combination that matches the start of the word.
- 2 Press **⬅** left or right to highlight the letter or letter combination.
- 3 Press **LOCK** (**⊖**) to “lock” the selected word portion.
- 4 Continue to enter letters and highlight letter combinations to spell the word.

Entering Punctuation

Press

0+ or **1-9**

To

enter punctuation or other characters as shown in the “Character Chart” on page 41



Using Capitalization

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

Action

Press  up once to change the highlighted word or letters to initial character capitalized

Press  up twice to change the highlighted word or letters to uppercase characters

Press  down once to change the highlighted word or letters to lowercase characters

Entering Numbers

Action

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

Deleting Letters and Words

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

Action

Press  to delete 1 letter at a time

Hold  to delete the entire message

Using Symbol Mode

As an alternate way to enter symbol characters in a message, press  > **Entry Mode** from any text entry screen and select **Symbol**.

Action

- 1 Press a number key 1 time to display its symbol options at the bottom of the display.

See the "Symbol Chart" on page 45.

- 2 Press , or press the number key multiple times, to highlight the symbol you want.

- 3 Press **SELECT** () to enter the symbol at the flashing cursor location.



Symbol Chart

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

	space . ? ! , @ _ & ~ : ; " - () ' ` ¸ ¡ % £ \$ ¥ ¤ €
	@ _ \
	/ : ;
	" & '
	() [] { }
	¿ ¡ ~
	< > =
	\$ £ ¥ ¤ €

	# % *
	+ - x * / = > < # §

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

Using the External Display

When the flip is closed, the external display shows the time, date, and phone status information. It also displays messages to notify you of incoming calls and other events. See pages 31–33 for descriptions of the status indicators that may appear.

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. For more information, see page 57.

Locking Your Phone Manually

Find the Feature

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

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

Unlocking Your Phone

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

At the **Enter Unlock Code** prompt:

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

Setting Your Phone to Lock Automatically

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

Find the Feature

-  > **Settings** > **Security**
- > **Phone Lock**
- > **Automatic Lock**
- > **Verify Unlock Code**
- > **On**

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



Changing a Code 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 at the factory. Your service provider may reset these numbers before you receive your phone.

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

To change a code or password:

Find the Feature

 > **Settings** > **Security**
> **New Passwords**

If You Forget a Code or Password

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

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

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

Setting Up Your Phone

Storing Your Name and Phone Number



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

Find the Feature



> Settings > Phone Status
> My Tel. Number

Defining the Time and Date Format

You can define the format your phone uses to show the time and date on the idle display.

Find the Feature



> 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 one of five different alert styles:

🔊 = Loud

🔊 = Soft

🔊 = Vibrate

🔊 = Vibe & Ring

🔊 = Silent



The ring style indicator in the display shows the current alert style (see page 31).

Flip Open

To set an alert style using menu selections:

Find the Feature

 > **Alert Styles** > **Style**

Press	To
1  left or right	scroll to the alert style
2 SELECT ()	select the ring style

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

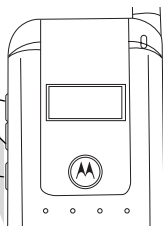
Flip Closed

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

After scrolling to the desired alert style, press the smart key to save the setting and return to the idle display.

Volume
Buttons

Smart
Key



Setting Answer Options

You can use different methods to answer an incoming call.

Find the Feature

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

The **Answer Options** menu includes:

Multi-key answer by pressing any key

Open to Answer answer by opening the flip

Setting a Wallpaper Image

You can set a picture or animation as a wallpaper (background) image in your phone's display.

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

Find the Feature

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

Press	To
1 	scroll to Picture
2 CHANGE ()	open the picture viewer
3  up or down	scroll to a picture/animation Scroll to (None) to turn off the wallpaper image.
4 SELECT ()	select the image
5 	scroll to Layout
6 CHANGE ()	adjust the image layout



Press**To****7** scroll to **Center** or **Tile**

Center places the image in the center of the display and, if necessary, shrinks the image to fill the display.

Tile fills the display with adjacent copies of the image

8 **CHANGE** (⊖)

confirm the layout setting

9 **DONE** (⊖)

save wallpaper settings

You can also set a photo as wallpaper immediately after you capture the photo (see page 24).



Setting a Screen Saver Image

You can set a picture or animation as a screen saver image. The image is displayed when the phone flip is open and no keypresses are detected for a period of time.

The screen saver image is shrunk to fill the display, if necessary. An animation repeats for one minute, then the first frame of the animation is displayed.

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

Find the Feature > **Settings** > **Personalize**
> **Screen Saver****Press****To****1** scroll to **Picture****2** **CHANGE** (⊖)

open the picture viewer

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

Setting Display Color

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

Find the Feature

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

Adjusting the Backlight

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

Find the Feature

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



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.

When ALI is set to **911 Only**, your phone displays the (ALI off) indicator, and the phone does not send location information unless you call the emergency phone number (such as 911).

Find the Feature

> **Settings** > **Location**

Press	To
1	scroll to Location On or 911 Only
2 SELECT ()	select the setting

To view or change the location transmission status of your phone during a call, press > **Location**.

Calling Features

For basic instructions on how to make and answer calls, see page 21.

Changing the Active Line



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

Find the Feature

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

The active line indicator in the display shows the current active phone line. See page 30.

Redialing a Number

If you hear an ordinary busy signal:

	Press	To
1		hang up
2		redial the busy number

Using Automatic Redial

If the network is busy, you hear a fast busy signal, and your phone displays **Call Failed**.



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

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

Find the Feature

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

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

Press

 or **RETRY** ()

To

activate automatic redial

Using Caller ID



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

When the caller's name is stored in **Contacts**, your phone displays the name or a picture, if you have assigned a picture to that entry.

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

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
 or IGNORE ()	cancel the incoming call



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

Turning Off a Call Alert

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

Press	To
up or down volume key	turn off the alert

Calling an Emergency Number

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

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be



placed due to network, environmental, or interference issues.

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

Viewing Recent Calls

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

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

Find the Feature



> Recent Calls

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



Press	To
3 	scroll to an entry
	Note: ✓ means the call connected.
4 	call the entry's number
	Tip: Press and hold  for 2 seconds to send the number as DTMF tones during a call.
or	
VIEW 	view entry details
or	
	open the Last Calls Menu to perform other procedures

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

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



Returning an Unanswered Call

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

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

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

Using the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the *notepad*. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature

 > **Recent Calls** > **Notepad**



Press	To
	call the number
or	
MESSAGE (⊖)	send a message to the number
	open the Dialing Menu to attach a number or insert a special character
or	
STORE (⊖)	create a Contacts entry with the number in the No. field

Attaching a Number

While dialing (with digits visible in the display):

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



Calling With Speed Dial

You can assign unique *speed dial* numbers to as many as 9 **Contacts** entries (see . To speed dial a **Contacts** entry:

Press	To
1 keypad keys	enter the speed dial number for the entry you want to call
2 	submit the number
Note: Some networks let you skip this step for speed dial numbers 1 through 99.	
3 	call the entry



Calling With 1-Touch Dial

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

We recommend that you reserve **Contacts** entry 1 (speed dial number 1) for storing and dialing your voicemail phone number. Usually, your service provider has already done this for you. If necessary, see page 80 to store your voicemail number as a **Contacts** entry for 1-touch dial access.



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



> **Message Center**

> **VoiceMail**

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

Shortcut: Your service provider may also store your voicemail phone number as **Contacts** entry number 1. If so, you can press and hold to listen to your voicemail message(s).

Receiving a Voicemail Message

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

Press

To

CALL

listen to the message

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



Storing Your Voicemail Phone Number

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

Find the Feature

-  > **Message Center**
- > **Settings** 
- > **Voicemail No.**

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

Your service provider additionally may store your voicemail phone number as **Contacts** entry number 1, so you can use 1-touch dial to listen to your voicemail messages. If necessary, see page 80 to store your voicemail number as a **Contacts** entry for 1-touch dial access.

Using Your Phone as a Speakerphone

To use your phone as a speakerphone during a call, press **SPEAKER** (⊖).



Muting the Phone

To mute your phone during a call:

Press	To
1 	open the In-Call menu
2 S	scroll to Mute
3 OK (⊖)	mute the phone

Press **MUTE** (⊖) to turn off muting.

Using Call Waiting



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

Press	To
1 	answer the new call
2 	switch back to the first call



Messages



You can send and receive text messages, pictures, and ring tones with your wireless phone.

Setting Up the Message Inbox

You must set up your message inbox *before* you can send and receive messages.

Note: Usually, your service provider has already set up the message inbox for you.

Find the Feature

 > **Message Center**

> **Settings** 

> **Msg Inbox Setup**

To set up the message inbox, you must configure the following option:

Option	Description
Msg Alert	specify whether your phone plays an alert when a message is received
Multimedia Msg Setup	set options for message size limits, how long messages are stored, type of reply, and other options
Direct View	specify whether messages are displayed when received



Sending a Text Message



You can send a *text message* to 1 or more recipients.

When you enter phone numbers and/or email addresses, you must insert a space between each entry. Press  to the right to insert a space.

Shortcut: Enter a phone number in the idle display, then press  > **Send Message** to open a new text message with the number in the **To** field. Go to step 4 to continue.

Sending a Short Message

Find the Feature

-  > **Message Center**
- > **Create** ()
- > **Short Message**

Action

- 1 Enter message text.

Press  to open the Short Message Menu (see table below for menu options).

- 2 Press **NEXT** () to go to the **Send To:** screen.



Action

- 3 Scroll to the desired entry from your **Contacts** list and press .

or

Add a new contact:

- a Scroll to **[New Contact]** and press .
- b Scroll to and select **Phone Number** or **Email Address**.
- c Enter and store 1 or more phone numbers and/or email addresses.

-
- 4 Press **NEXT** () go to the **Send** screen, and make the desired entries:

Subject:—Type the subject and press **OK** (.

Cc:—Press  to begin entering message copy recipient(s).

BCC:— Press  to begin entering recipient(s) of message copy who are not to be known to other recipient(s).

Priority:—Set to **Normal** or **Urgent**.

Read Reply:—

Receipt:—Specify whether you want to receive an indication that message is delivered.

Attachment:—Press  to begin adding a picture, animation, or sound.

-
- 5 Press **SEND** () to send the message.
-



The **Short Messages Menu** includes these options:

Option	Description
Insert	select and insert: Text Templates —pre-written text messages (for example, Call me at ...) You can also create new Text Templates. Pictures —prestored pictures or animations Sounds —prestored sounds
Entry Mode	select Numeric , Symbol , Primary , or Secondary (see page 38)
Entry Setup	select TAP or iTAP (see page 38)
Cut	delete text
Copy	copy text
Paste	paste text that was copied previously
Format Text	apply formatting options to text



Sending a Multimedia Message

Find the Feature

-  > **Message Center**
- > **Create** (⊖)
- > **Multimedia Message**

Action

- 1** Type the message.

- 2** When you want to insert a media element, press .

- 3** Scroll to **Insert** and press **SELECT** (⊖), or press .

See the table following these steps for a list of media elements that you can insert.

- 4** After you insert a media element, Press **NEXT** (⊖) to go to the **Send To:** screen.

- 5** Scroll to the desired entry from your **Contacts** list and press .

or

Add a new contact:

- a** Scroll to **[New Contact]** and press .
 - b** Scroll to and select **Phone Number** or **Email Address**.
 - c** Enter and store 1 or more phone numbers and/or email addresses.
-



Action

- 6 Press **NEXT** (⊖) go to the **Send** screen, and make the desired entries:

Subject:—Type the subject and press **OK** (⊕).

Cc:—Press (⊕) to begin entering message copy recipient(s).

Bcc:— Press (⊕) to begin entering recipient(s) of message copy who are not to be known to other recipient(s).

Priority:—Set to **Normal** or **Urgent**.

Read Reply:—

Receipt:—Specify whether you want to receive an indication that message is delivered.

Attach:—Press (⊕) to begin adding a picture, animation, or sound.

-
- 7 Press **SEND** (⊖) to send the message.
-



The **Multimedia Message Menu** includes these options:

Option	Description
Insert	select and insert: Picture—prestored picture or animation Sound—prestored sound Voice Memo—stored voice memo New Picture—a photo that you take while composing the message New Voice Memo—a Voice Memo that you record while composing the message New Page—an additional message “page” New Template—pre-written messages that may contain both text animation and/or sound You can also create new Text Templates.
Entry Mode	select Numeric , Symbol , Primary , or Secondary (see page 38)
Entry Setup	select TAP or iTAP (see page 38)
Cut	delete text
Copy	copy text



Option	Description
Paste	paste text that was copied previously
Format Text	apply formatting options to text

Viewing the Status of Sent Text Messages

Text messages that you send are stored in the outbox.

Find the Feature

 > **Message Center**
> **Outbox** > 

Messages in the outbox are sorted from newest to oldest. The following indicators show message status:

» = sending in progress  = sent

✕ = sending failed

Receiving a Text Message



When you receive a text message, your phone displays the  (message waiting) indicator and a **New Inbox Message** notification, and sounds an alert. If you receive a picture, your phone displays a **New Picture Received** notification.

Press

READ (⊖)

To

open the message



If reminders are turned on, your phone sends a reminder at regular intervals until you close the new message notification, read the message, or turn off your phone.

When your phone displays **Memory is Full**, you must delete some existing messages from your inbox, outbox, or drafts folder to receive new messages.

Reading, Locking, or Deleting a Text Message

Messages in the text message inbox are sorted from newest to oldest. The oldest messages are deleted automatically as specified by the inbox cleanup setting. If you want to save a message, you should lock it to prevent it from being deleted during cleanup.

Find the Feature

 > **Message Center**
> **Msg Inbox** > 



Press	To
1 	scroll to the message
	The following indicators show message status:
	 = unread
	 = unread (with attachment)
	 = unread and urgent
	 = unread and urgent (with attachment)
	 = read
	 = read (with attachment)
	 = read and locked
	 = read and locked (with attachment)
2 READ (⊖)	open the message
3 BACK (⊖)	close the message
or	
DELETE (⊖)	delete the message
or	
	open the Inbox Menu to perform other procedures



The **Inbox Menu** can include the following options:

Option	Description
Create Message	Open a new text message.
Call Back	Call the number in the message header or embedded in the message.
Go To	Launch the micro-browser and go to a Web address (URL) embedded in the message.
Reply	Open a new text message, with the sender's Reply To number or email address in the To field.
Forward	Open a copy of the text message, with an empty To field.
Store	Display a list of items that can be stored, including the sender's number or email address, and a selected image or sound file.
Play	Play a ring tone in the message.
Lock/Unlock	Lock or unlock the message (move the message to the Safebox).
Delete	Delete the message.
Delete All	Delete all inbox messages.
Inbox Setup	Open the text message inbox setup menu.



Downloading Pictures and Ring Tones



Text messages that you receive can contain pictures, animations, and ring tones. Pictures and animations are displayed as you read the message. A ring tone begins playing when you scroll to or select the  (sound file) indicator.

You can store these embedded object files on your phone, and use them as screen saver images, wallpaper images, and event alerts.

Storing a Picture or Animation File

Press	To
1 	highlight the picture or animation in the message
2 	open the Text Msg Menu
3 	scroll to Store
4 SELECT ()	display a list of items you can store
5 	scroll to File Attachment
6 SELECT ()	display the file name
7 STORE ()	view storage options
8 	scroll to Store Only , Set as Screen Saver , or Set as Wallpaper
9 SELECT ()	store the file and, optionally, set it as your screen saver or wallpaper image



Note: When you set an animation as a wallpaper image, only the first frame of the animation displays.

For more information about using pictures and animations, see pages 76 and 134.

Storing a Ring Tone

You can store a ring tone on your phone, and use it as an event alert.

Press	To
1 	highlight the  (sound file) indicator in the message
2 	open the Text Msg Menu
3 	scroll to Store
4 SELECT (⊖)	display a list of items you can store
5 	scroll to File Attachment
6 SELECT (⊖)	display the file name
7 STORE (⊖)	view storage options
8 	scroll to Store Only or Set As Ring Tone
9 SELECT (⊖)	select the option
	If you select Store Only , go to step 13.
	If you select Set As Ring Tone , your phone displays Set As Which? , and lists the events for which you can set an alert.





Press	To
10 	scroll to the event
11 SELECT ()	select the event
12 keypad keys	enter a name for the ring tone
13 OK ()	store the ring tone and, optionally, set it as the event alert

For more information about using ring tones, see pages 77 and 88.

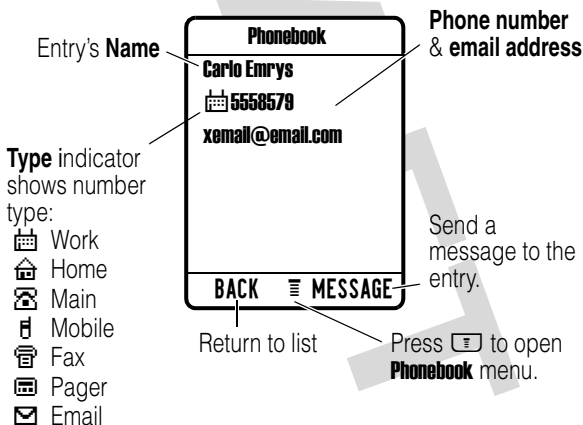
Setting Up Your Contacts



You can store a list of names and phone numbers or email addresses in your phone's electronic **Contacts** list.

To see the names in **Contacts**, press  > **Contacts** from the idle display. Scroll to a name and press **VIEW** () to view details of the entry for that name as shown below.

Viewing Entry Details



Note: When you set a distinctive ringer alert for an entry, the **Ringer ID** setting appears below the speed dial number.

Creating a Contacts Entry

Entering Information

To create or edit a **Contacts** entry:

Find the Feature

-  > **Contacts**
- > **(Create New Contact)**
- > **Phone Number** or
Email Address

Shortcut: Enter a phone number in the idle display, then press **STORE** (⊖) to create a **Contacts** entry with the number in the **No.** field.

Action

- 1 Enter the desired information for the entry. See the table following these steps for a description of the information types you can enter.

Note: A phone number or email address is required for a **Contacts** entry. All other information is optional.

- 2 When you have entered all information for the entry, press **DONE** (⊖) to store the entry.

You can enter the following information for a **Contacts** entry.

Option	Description
Name	entry name Tip: Press  to select a text entry mode (see page 39).
No. or Email	entry's phone number or email address (maximum 32 characters)
Type	entry type Note: This option is not available for email entries.
Voice Name	record a voice name for the entry
Ringer ID	select to set 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. To activate ringer IDs, see page 88.
Picture	select a picture to display when you select the entry
Add Phone No.	add another phone number for the same entry You must use a different Type identifier for each number.
Add Email address	add another email address for the same entry





Assigning a Speed Dial Number

You can assign a speed dial number to a **Contacts** entry or to any other number that you enter. A speed dial number allows you call an entry by pressing a single key

Find the Feature

 > **Contacts**

Action

- 1 Press  to open the **Contacts** menu.
 - 2 Scroll to **Speed Dial Nos..**
 - 3 Press **SELECT** (⊖).
 - 4 Scroll to the speed dial number (1 through 9) you want to assign.
 - 5 If you selected a speed dial number that is not assigned, press **ASSIGN** (⊖) or .
- or**
- If you selected a speed dial number that is already assigned, press **CHANGE** (⊖) or .

Action

- 6 Scroll to **Assign number** and press **SELECT** (⊖) to assign the speed dial number to the most recent **Contacts** entry.

or

Scroll to **Find No.** and press **SELECT** (⊖) to view **Contacts** and assign the speed dial number to any entry.

or

Scroll to **Enter No.** and press **SELECT** (⊖) to enter a new number and assign the speed dial number to it.

-
- 7 Press **EXIT** (⊖).
-

Storing a PIN Code With a 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).
 > 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 32 digits per number. Each character counts as 1 digit.

Recording a Voice Name For a Contact

You can record a voice name for a new or existing **Contacts** entry. A voice name lets you call the **Contacts** entry using voice dial.

Tip: Make your recording in a quiet location. Hold the phone about 4 inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.

Find the Feature

 > **Contacts**

Action	
1	Press  to scroll to the entry.
2	Press VIEW () to view entry details.
3	Press  to open the Phonebook menu.
4	Scroll to Edit Contact and press SELECT () to begin editing the contact.
5	Press  to scroll to Voice Name..
6	Press RECORD () to begin recording.
7	Press and release the voice key and say the entry's name (in 2 seconds) to record the voice name
8	When prompted, press and release the voice key and repeat the name.
9	Press DONE () to store the voice name.



Dialing a Contacts Entry

Use one of the following procedures to call a number (or send a text message to an email address) stored in **Contacts**.

Contacts

Find the Feature

 > **Contacts**

	Press	To
1	keypad key letter	jump to entries that begin with that letter (optional)
2		scroll to the entry
3		make the call

Voice Dial

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

Storing Longer Numbers

A **Contacts** number can contain a maximum of 32 digits and characters. You can create multiple **Contacts** entries to store a dialing sequence that exceeds the 32-character limit. Then you can send the entries in sequence to dial the number.



To store a dialing sequence longer than 32 characters:

Action

- 1 Create a **Contacts** entry to store the first part of the dialing sequence (for example, the number for your long-distance service provider).
- 2 Create a 2nd **Contacts** entry to store the next part of the dialing sequence (for example, the country code and phone number for an international call).
- 3 Repeat step 2 as necessary to store the entire dialing sequence. (For example, create a 3rd **Contacts** entry to store your calling card number and PIN number.)

To dial a dialing sequence stored as multiple **Contacts** entries:

Action

- 1 Dial the 1st **Contacts** entry. Perform any pause or wait tasks, if necessary, to complete the dialing sequence. Your phone returns to the idle display.
- 2 Press  > **Contacts** to re-open **Contacts**.
- 3 Highlight the 2nd **Contacts** entry, then press  > **Send Tones** to send the next portion of the dialing sequence.
- 4 Repeat steps 2 and 3 as necessary to send the entire dialing sequence.

Editing a Contacts Entry

Find the Feature

☰ > **Contacts**

Press	To
1 	scroll to the entry
2 VIEW (⊖)	view entry details
3 	open the Phonebook menu
4 S	scroll to Edit Contact
5 SELECT (⊖)	edit the entry

Edit the entry information described on page 80.

Tip: Press  to open the **Phonebook** menu to perform various operations on the selected entry.

Deleting a Contacts Entry

Find the Feature

☰ > **Contacts**

Press	To
1 	scroll to the entry
2 	open the Phonebook menu
3 	scroll to Delete Contact
4 SELECT (⊖)	delete the entry
5 YES (⊖)	confirm the deletion

Sorting the Contacts List

You can sort **Contacts** by name, email address, or voice name.



Note: The voice name sort is identical to the name sort, except that entries with voice name tags appear first.

Find the Feature

 > **Contacts**

	Press	To
1		open the Contacts menu
2		scroll to Contacts Setup
3	SELECT (⊖)	select Contacts Setup
4	 right or left	select to sort by Name or Email
5	CHANGE (⊖)	select to change the sort order
6		select Name or Email
7	CHANGE (⊖)	select the sort order



Personalizing Your Phone

Personalizing a Ring Style

You can change the alerts that notify you of the following events: incoming calls, text messages, voicemail messages, Information Services messages, alarms, data calls, fax calls, and reminders. Any changes you make are saved to the current ring style.

Find the Feature

 > Alert **Styles**
> *Style Detail*

Note: *Style* represents the current ring style.

	Press	To
1		scroll to the event
2	CHANGE ()	begin changing the event
3		scroll to the alert you want
4	SELECT ()	select the alert

Activating Ringer IDs

When ringer IDs are turned on, your phone uses distinctive ring tones to notify you of incoming calls or messages from specific entries stored in **Contacts**.

Note: To assign a ringer ID to a new or existing **Contacts** entry, see page 80.

Find the Feature

 > **Alert Styles** > *Style Detail*
> **Ringer ID**

Note: *Style* represents the current ring style.

	Press	To
1	CHANGE (⊖)	begin changing Ringer ID
2		scroll to On or Off
3	SELECT (⊖)	select the option



Setting Keypad Volume

Find the Feature

 > **Alert Styles**
> *Style Detail* > **Key Volume**

Note: *Style* represents the current ring style.

	Press	To
1	CHANGE (⊖)	begin changing Key Volume
2		scroll to the desired volume
3	OK (⊖)	store the change

Setting Reminders

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

Find the Feature

 > **Alert Styles** > *Style Detail*
> **Reminder**

Note: *Style* represents the current ring style.

Press	To
1 CHANGE (⊖)	begin changing Reminder
2 	scroll to Beep or Vibrate to set the reminder alert type, or Off to turn off all reminders
3 OK (⊖)	select the reminder alert



Personalizing Display Text



To change the greeting that appears when you turn on your phone:

Find the Feature

 > **Settings** > **Personalize**
> **Greeting**

You can change the banner in the idle display:

Find the Feature

 > **Settings** > **Personalize**
> **Banner**

Setting the Menu View

You can set your phone to display the main menu as graphic icons (the default setting) or as a text-based list.

Find the Feature

 > **Settings** > **Personalize**
> **Main Menu** > **View**

Press	To
1 CHANGE (⊖)	begin changing the menu view
2 	scroll to Icons or List
3 CHANGE (⊖)	select the menu view

Personalizing the Menu

You can reorder the items in your phone's main menu.

Note: You cannot alter the location of the **More** (📦) graphic icon. This icon remains in the introductory menu display to provide access to additional menu features.

Find the Feature

 > **Settings** > **Personalize**
> **Main Menu** > **Reorder**

Press	To
1 	scroll to a menu item
2 GRAB (⊖)	grab the menu item
3 	move the item to a new location in the menu
4 INSERT (⊖)	insert the menu item



Personalizing Soft Keys and Menu Icons

You can change the menu feature icons and soft key labels (left  and right ) that appear in the idle display, to access different main menu items from the idle display.

Find the Feature

 > **Settings > Personalize**
> **Home Keys**

Press	To
1 	scroll to Scroll Up, Scroll Down, Scroll Left, Scroll Right, Left Soft Key, Right Soft Key, or Smart Key
2 CHANGE ()	begin changing the key setting
3 	scroll to a menu feature to assign to the key
4 SELECT ()	confirm the new setting

Setting the Menu Language

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

Find the Feature

 > **Settings > Initial Setup**
> **Language**

Setting Menu Scroll Behavior

Set the highlight bar to stop or wrap around when you reach the top or bottom of a menu list.

Find the Feature

 > Settings > Initial Setup
> Scroll

Resetting All Options

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

Find the Feature

 > Settings > Initial Setup
> Master Reset

Clearing All Stored Information

Reset all options back to their original factory settings, *except* for the unlock code, security code, and lifetime timer, erase all downloaded pictures, animations, and sound files, and clear all user settings and entries.

Caution: Master clear **erases all user-downloaded content and user-entered information** stored in your phone's memory, including **Contacts** and datebook entries. Once you erase the information, it cannot be recovered.

Find the Feature

 > Settings > Initial Setup
> Master Clear



Creating and Using Shortcuts

Your phone includes several standard shortcuts. You can create additional custom shortcuts to frequently used menu items.

Standard Shortcuts

The following shortcuts are pre-programmed on your phone. You cannot edit or delete these shortcuts.



Task	Shortcut
Change your phone's ringer alert setting.	Open the flip, then press the down volume key to the lowest volume setting, then vibrate, then silent call alert. Press the up volume key repeatedly to reset ring alert.
Display your phone number.	From the idle display, press .
Go to the dialed calls list.	From the idle display, press .
Exit the menu system.	Press .

Creating a Shortcut

You can create a keypad shortcut *plus* an optional voice shortcut to a menu item. A voice shortcut takes you directly to the menu item when you say the shortcut name.

Tip: Make your recording in a quiet location. Hold the phone about 4 inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.

Action

- 1 Press  to enter the menu system.
- 2 Press  to scroll to the menu item.
- 3 Press and hold  to open the shortcut editor.
- 4 Press **YES** () to view shortcut options.
- 5 Press **CHANGE** () to change the keypad shortcut number.

or

Press **DONE** () to select the default number.

or

Assign a voice shortcut:

- a Press  to scroll to **Voice**.
 - b Press  to begin recording.
 - c Press and release the voice key, and say the shortcut's name (within 2 seconds) to record the shortcut name.
 - d When prompted, press and release the voice key and repeat the name.
-
- 6 Press **DONE** () to store the shortcut name
-



Using a Keypad Shortcut

Press	To
1 	open the main menu
2 a number key	go to the menu item with that shortcut number

Selecting a Shortcut From the List

Find the Feature



> **More** > **Shortcuts**
> *shortcut name*

Using a Voice Shortcut

Action
1 Press  to open the menu
2 Press and release the voice key and say the shortcut's name (within 2 seconds) to go to the menu item with that shortcut name

Editing or Deleting a Shortcut

The shortcut list is sorted by key. If you change a shortcut's key, you change its place in the list.

Find the Feature



> **More** > **Shortcuts**

Press	To
1 	scroll to the shortcut
2 	open the Shortcuts menu to perform procedures as described in the following list

The **Shortcuts** menu can include the following options:

Option	Description
Edit	Edit the shortcut. Tip: Use this option to delete the associated voice shortcut.
Reorder List	Change the shortcut list order.
Delete	Delete the shortcut.
Delete All	Delete all shortcuts.



Getting More Out Of Your Phone

Making a 3-Way Call



During a call, you can call and connect a 3rd party for a 3-way call. You cannot do this if you already have a call on hold.

Press	To
1 keypad keys	dial the 3rd party's number
2 ☹	Note: Some networks may require you to press ☹ first. call the number
3 ☹	connect the 2 calls
4 ☹	end the entire call

Restricting Calls

You can stop all incoming and/or outgoing calls, or you can restrict outgoing calls to the numbers stored in **Contacts**.

Find the Feature

 > **Settings** > **Security**
> **Restrict Calls**

Press	To
1 keypad keys	enter your unlock code
2 OK (⊖)	open the restrict calls menu

Press	To
3 	scroll to Outgoing Calls or Incoming Calls
4 CHANGE (⊖)	select the option
5 CHANGE (⊖)	change the Allow setting
6 	scroll to All , None , or Contacts
7 SELECT (⊖)	select the allowed calls

Notes:

- You can make emergency calls when outgoing calls are restricted.
- Your phone still receives incoming text messages when incoming calls are restricted.

Tip: Contacts is not locked when you restrict outgoing calls to numbers stored in **Contacts**. To prevent a user from adding (and then calling) a new **Contacts** entry, you may want to lock **Contacts**. See page 131.

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 one of three TTY

modes.

Notes:

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



- Set the phone volume to level 4 (middle setting) for proper operation. If you experience a high number of incorrect characters, adjust the volume as necessary to minimize the error rate.
- For optimal performance, your phone should be at least 12 inches (30 centimeters) away from the TTY device. Placing the phone too close to the TTY device may cause high error rates.

Setting TTY Mode

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

Find the Feature

 > **Settings** > **Initial Setup**
> **TTY Setup**



Press	To
1 CHANGE (⊖)	begin changing TTY Setup
2 	scroll to the TTY mode
3 SELECT (⊖)	select the TTY mode

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

Option	Description
Voice	Return to normal voice mode
TTY	Transmit and receive TTY characters
VCO	Receive TTY characters but transmit by speaking into the microphone
HCO	Transmit TTY characters but receive by listening to the earpiece



When your phone is in a TTY mode, the international TTY symbol and the mode setting are shown in the display during an active digital TTY call. You can press **TTYMODE** (⊖) to change the mode setting.

Switching to TTY Mode During a Voice Call

Press	To
1	open the Call menu
2	scroll to TTY Setup
3 SELECT (⊖)	display the TTY Setup menu
4 CHANGE (⊖)	begin changing TTY Setup
5	scroll to the TTY mode
6 SELECT (⊖)	select the TTY mode

Returning to Voice Mode

To return to normal voice mode, select **Voice** from the **TTY Setup** menu as described on page 100.

Setting Auto PIN Dial



Some networks require an authenticating PIN code to allow outgoing calls. Use this feature to automatically dial your PIN.

Find the Feature

> **Settings** > **Initial Setup**
> **Auto PIN Dial**



Using DTMF Tones

You can send a number to the network as *dual tone multi-frequency* (DTMF) tones during a call. Use DTMF tones to communicate with automated systems that require you to submit a PIN code or credit card number.

Activating DTMF Tones

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

Find the Feature

 > **Settings** > **Initial Setup**
> **DTMF**

Short sends a short fixed-duration tone for each keypress.

Long sends each tone for as long as you depress the key.

Short DTMF tones work with most automated systems.

Some systems (such as home answering machines) may require long tones for proper activation.

Sending DTMF Tones

Using the Keypad

Press the number keys to send the numbers as DTMF tones during a call.

To send numbers as long tones, make sure that DTMF is set to **Long**. During a call, enter any single short keypress to put the phone in DTMF mode, then send the required numbers by pressing and holding each key in turn.

Sending Stored Numbers

During a call, highlight a number in **Contacts** or the recent call lists, then:

Press	To
1 	open the sub-menu
2 	scroll to Send Tones
3 SELECT ()	send number as DTMF tones

Monitoring Phone Use

Viewing and Resetting Call Timers

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.



To view a call timer:

Find the Feature

 > **Recent Calls** > **Call Times**



Select one of the following options:

Option	Description
Last Call	Approximate time spent on last dialed or received call. You cannot reset this timer.
Dialed Calls	Approximate time spent on dialed calls since the last time you reset this timer.
Received Calls	Approximate time spent on received calls since the last time you reset this timer.
All Calls	Approximate time spent on dialed and received calls since the last time you reset this timer.
Lifetime	Approximate time spent on all calls on this phone. You cannot reset this timer.



To reset the call timer:

Press	To
1 RESET (⊖)	reset the time (if available)
2 YES (⊖)	confirm the reset

Using a Timer During a Call

You can set a timer to beep at selected intervals during a call, and display the elapsed time during a call.

Find the Feature

 > **Settings** > **In-Call Setup**
> **In-Call Timer**

Select one of the following **Beep** options:

- Timer** Set the timer to **On** or **Off**. If set to **On**, the elapsed time displays during a call.
- Beep** Select **60 seconds** (beep sounds every 60 seconds) or **Off** (no in-call beep).

Using Handsfree Features



You can purchase an optional Motorola Original™ handsfree car kit, speakerphone, or headset for your phone. These accessories provide alternative ways for you to use your phone without using your hands.

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.



Activating a Connected Speakerphone

To use an external speakerphone with your phone, connect the speakerphone and, during an active call:

Press	To
SPEAKER (⊖) (if available) or  > Spkrphone On	activate the connected speakerphone

Automatic Answer

You can set your phone to automatically answer calls after 2 rings (4 seconds) when connected to a car kit, speakerphone, or headset.

Find the Feature

 > **Settings** > **More**
> **Car Settings**
or **Headset**

Press	To
1 	scroll to Auto Answer
2 CHANGE (⊖)	begin changing Auto Answer
3  left or right	scroll to On or Off
4 SELECT (⊖)	confirm the setting



Automatic Handsfree

You can set your phone to automatically route calls to a car kit when it detects a connection.

Find the Feature

 > **Settings** > **More**
> **Car Settings**
> **Auto Handsfree**

Press	To
1 CHANGE (⊖)	begin changing Auto Handsfree
2 	scroll to On or Off
3 SELECT (⊖)	confirm the setting

Power-Off Delay

When your phone is connected to a car kit, you can set it to stay on for a period of time after you switch off the ignition. This prevents the phone from draining your vehicle battery, but leaves the phone on long enough that you do not have to re-enter your unlock code when making short stops.

Find the Feature

 > **Settings** > **More**
> **Car Settings**
> **Power-off Delay**

	Press	To
1	CHANGE (⊖)	begin changing Power-off Delay
2		scroll to the time delay
3	SELECT (⊖)	confirm your selection

Note: This feature may not work with all car ignition switches.

Caution: If you select **Continuous**, the phone does not power off when you turn off the ignition. Be careful not to drain your vehicle battery if you select this option.

Charger Time

When your phone is connected to a car kit, you can set it to charge itself for a specified time period after you switch off the ignition. This helps ensure that the phone battery gets fully charged while the vehicle is parked.

Find the Feature

 > **Settings** > **More**
> **Car Settings** > **Charger Time**



	Press	To
1	CHANGE (⊖)	begin changing Charger Time
2	⊖	scroll to the charge time
3	SELECT (⊖)	confirm your selection

Note: This feature may not work with all car ignition switches.

Making Data and Fax Calls



An optional Motorola Original™ data kit (which includes a cable connector) lets you transfer data between your phone and a computer, Palm OS® compatible device, or Microsoft Windows CE, Pocket PC, or Handheld PC device. You can:

- Synchronize **Contacts** and datebook information between your phone and a computer or PDA.
- Use your phone as a modem to connect to the Internet.
- Use your phone to send and receive data and fax calls on your computer or hand-held device.

Making a Cable Connection

Installing the Software

To transfer data between your phone and computer, you must install the software included with the Motorola Original data kit. See the data kit's user guide for more information.

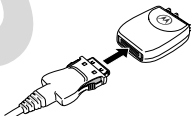
Attaching the Cable

Use a Motorola Original serial cable or Motorola Original USB cable to connect your phone to the external device.

Note: Not all devices are compatible with a cable connection. Check your computer or hand-held device to determine the type of cable you need.

Serial Cable

Action

- 1 Plug the serial cable into the detachable head. Make sure that the Motorola logo on the detachable head and the metal shielding on the serial cable plug are both facing you.
- 2 With the Motorola logo and the phone both facing you, plug the detachable head into the phone's accessory connector port.
- 3 Plug the other end of the cable into the serial interface connection on the device and tighten the screws, if present.



USB Cable

Action

- 1 Plug the end of the cable with the Motorola logo into the phone's accessory connector port. Make sure that the logo and the phone are both facing you.
- 2 Plug the other end—the USB connection—into the USB port on the external device.

Synchronizing Data

You can synchronize **Contacts** and datebook information between your phone, computer, and PDA with Starfish TrueSync[®] software, an accessory for Motorola phones. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Sending a Data or Fax Call

Use this procedure to send data or a fax from a connected computer or hand-held device.

Action

- 1 Make sure that the phone is connected and powered on.
- 2 Open the application (such as dial-up-networking or fax) on your computer, and place the call through the application.
Note: You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer.
- 3 When the transfer is complete, end the call from the connected device to close the connection.



Receiving a Data or Fax Call

Use this procedure to transfer data or a fax to a connected computer or hand-held device.

Setting Up Your Phone

Find the Feature

 > **Settings > Connection
> Incoming Call**

Action

- 1 Press **CHANGE** (⊖) to select **Next Call**.
- 2 Press  to scroll to **Data In Only** or **Fax In Only**.

Action

- 3 Press **SELECT** (⊖) to set the call format
- 4 Connect your phone to the device to enable the data or fax transfer

Note: You cannot answer incoming voice calls when your phone is in data or fax mode. Any voice calls you receive are treated as unanswered calls. To return a voice call, reset your phone to normal voice operation as described below.

Transferring the Data or Fax

Your phone notifies you when the data or fax call arrives, and transfers the call to the connected device. Use the application running on the device to answer the call.



Ending the Data/Fax Connection

When the data or fax transfer is complete, end the call from the connected device to close the connection.

Resetting Normal Voice Operation

After making a data or fax call, you must reset your phone to resume normal voice operation.

Find the Feature

 > **Settings** > **Connection**
> **Incoming Call** > **Next Call**
> **Normal**

Your phone also reverts to normal voice operation when you turn it off and then turn it back on.

Adjusting Network Settings



Your service provider registers your phone to its network. In some situations, such as using the phone as a modem or connecting it to a TTY device, you may need to change the network

registration.

Note: Some settings and/or options described in this section may not be available for all phone models.

Viewing Current Registered Network

Find the Feature

 > **Settings** > **More**
> **Network**
> **Current Network**

Press **VIEW** ($\ominus$) to display the network ID.

Setting Analog Only

You can set your phone to place calls only on analog channels.

Note: This feature may appear as an option on the **Set Mode** menu (see following section).

Find the Feature

 > **Settings** > **More**
> **Network** > **Analog Only**

Press	To
1 CHANGE ($\ominus$)	begin changing the setting for Analog Only
2 	scroll to On or Off
3 SELECT ($\ominus$)	select the option



Setting Network Search Mode

Set how your phone searches for a network connection.

Find the Feature

 > **Settings** > **More**
> **Network** > **Set Mode**

Press	To
1 CHANGE (⊖)	begin changing the setting for Set Modes
2 	scroll to an option described in the list below
3 SELECT (⊕)	select the option

Network search mode options:

Option	Description
Home Only	match the Home SID
Automatic A	search automatically based on priority
Automatic B	search automatically based on priority

Setting Service Tones

You can set your phone to beep each time the network registration status changes.

Find the Feature

 > **Settings** > **More**
> **Network** > **Service Tone**



Press	To
1 CHANGE (⊖)	begin changing the setting for Service Tones
2 	scroll to On or Off
3 SELECT (⊖)	select the option

Setting Call Drop Alert

You can set your phone to emit an alert tone whenever the network drops a call. Because digital networks are so quiet, the call drop alert may be your only indication that a call has been dropped.

Find the Feature

 > **Settings** > **More**
> **Network** > **Call Drop Tone**

Press	To
1 CHANGE (⊖)	begin changing the setting for Call Drop Tones
2 	scroll to On or Off
3 SELECT (⊖)	select the option

Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature

 > **Settings** > **Phone Status**
> **Battery Meter**



Viewing Phone Specifications



To view your phone's feature specifications:

Find the Feature

 > **Settings** > **Phone Status**
> **Other Information**



Personal Organizer

Datebook

The datebook is a calendar that you can use to schedule and organize events such as appointments and meetings.

Note: You must set the correct time and date to use the datebook.

To schedule or review datebook events:

Find the Feature

 > **More** > **Office Tools**
> **Datebook**

Month View

The datebook initially displays a calendar for the month. A black triangle in a date box indicates a scheduled event.

Month (Press  for prior month,  for next month.)

* Sep 2003 #						
S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11
EXIT				VIEW		

Exit datebook.

Press  to open **Datebook Menu.**

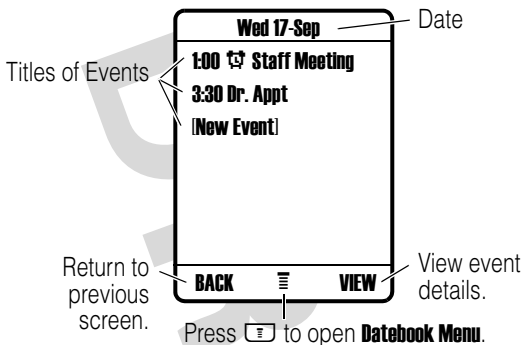
Days of Week
(Press  left or right to select.)

Go to selected day.



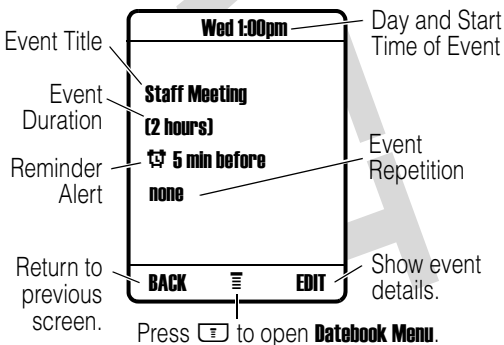
Day View

Select a day and press **VIEW** (☹) to see the day's events.



Event View

Select an event and press **VIEW** (☹) to see event details.



Adding a Datebook Event

A title is required for a datebook event. All other information is optional.

Notes:

- You must create an event to use the reminder alarm.
- Your phone must be turned on for the reminder alarm to sound.

Find the Feature

 > **More** > **Office Tools**
> **Datebook** > *day*
 > **New Event**

Press	To
1 CHANGE (⊖)	select Title
2 keypad keys	enter a title for the event Tip: Press  to select a text entry mode. See page 39.
3 OK (⊖)	store the event title
4 	scroll to other fields and enter information as necessary You can set start time, duration, date, repeat interval, and reminder alarm.
5 DONE (⊖)	store the event



Changing Event Information

Find the Feature

 > **More** > **Office Tools**
> **Datebook**

Press	To
1 	scroll to the day
2 VIEW ()	display the day view
3 	scroll to the event
4 VIEW ()	display the event view
5 EDIT ()	edit the event
6 	scroll to the information you want to change
7 CHANGE ()	edit the information
8 keypad keys	enter new information
9 DONE ()	store the information

Copying an Event

Find the Feature

 > **More** > **Office Tools**
> **Datebook**

Press	To
1 	scroll to the day
2 VIEW ()	display the day view
3 	scroll to the event
4 	open the Datebook Menu
5 	scroll to Copy
6 SELECT ()	copy the event





Press	To
7 YES (⊖)	confirm the copy Your phone assumes you want to change the date, and displays the Date field.
8 keypad keys	enter date information
9 ▶ (⊖) or ⊙ to the right	move to month, day, and year
10 DONE (⊖)	save the copy of the event
11 ⊙	scroll to and edit event information, if necessary
12 DONE (⊖)	store the information

Deleting an Event

Find the Feature

 > **More** > **Office Tools**
> **Datebook**

Press	To
1 ⊙	scroll to the day
2 VIEW (⊖)	display the day view
3 ⊙	scroll to the event
4 	open the Datebook Menu
5 ⊙	scroll to Delete
6 SELECT (⊖)	select Delete
7 YES (⊖)	confirm the deletion

Viewing and Dismissing an Event Reminder

When you set a reminder alarm for an event, the phone displays an event reminder and sounds a reminder alarm. To view or dismiss an event reminder:

Press	To
VIEW (⊖)	view the event Press ⊕ to scroll through the event details.
or	
EXIT (⊖)	dismiss the reminder

If you have more than one event set up for the same time, the phone displays each event in sequence. As you view and dismiss each event reminder, the next one is displayed.

Changing the Datebook Setup

You can change the datebook's daily start time, and set the length of time that events are stored.

Find the Feature

[Menu] > **More** > **Office Tools**
> **Datebook** [Menu] > **Setup**

Synchronizing with TrueSync Software



You can synchronize datebook entries between your phone and computer or hand-held device with Starfish TrueSync® software, an accessory for Motorola phones. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Voice Memos

You can use the voice memo feature to record personal messages and phone calls on your phone.

Recording a Voice Memo

Use this procedure to record a voice memo from the idle display, or to record a phone call in progress. **When recording a phone call, only the incoming voice is recorded.** Your phone plays an alert tone to notify the other party that the call is being recorded.

Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.

Tip: Make your recording in a quiet location. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.

Action

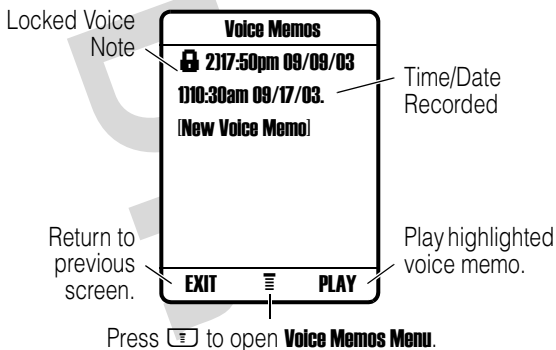
- 1 Press and hold the voice key. The phone sounds an alert tone and begins recording.
- 2 Speak your voice memo.
- 3 Release the voice key to stop recording.



Viewing the Voice Memos List

Find the Feature

 > More > Voice Memos



Playing a Voice Memo

Find the Feature

 > More > Voice Memos

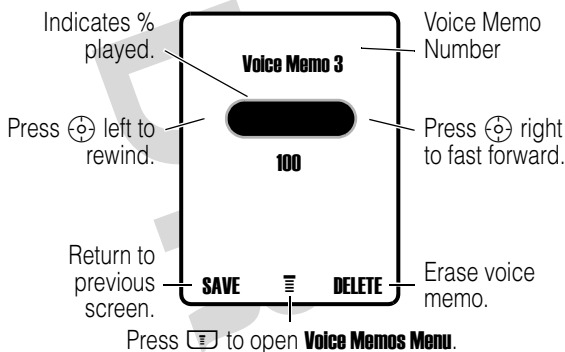
Press	To
1 	scroll to the voice memo
2 PLAY ()	play the voice memo

When you connect an optional Motorola Original™ headset or FM Stereo Radio Headset accessory to your phone, playback is automatically routed to the headset.

Tip: You can play a voice note while taking a call. It will not be transmitted to the other party.

Playback Screen

The playback screen is displayed as the voice memo plays.



Voice Memo Controls

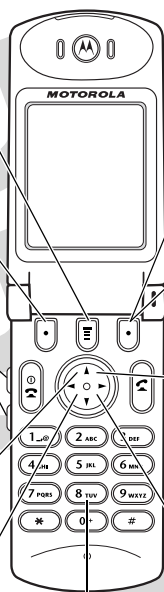
Stop playback and go to **Voice Memos Menu**.

Stop playback and return to voice notes list.

Raise or lower playback volume.

Press **left** to rewind three seconds. Press **left and hold** to rewind to beginning.

Press **up/down** to stop playback and scroll to next voice note.



If voice memo is unlocked, stop playback and display **Delete Voice Memo?**

If voice memo is locked, stop playback and unlock voice memo.

Press **right** to fast forward three seconds. Press **right and hold** to fast forward to end.

Press any number key to alternately stop/start playback.

When playback is complete, press **right** to restart.





Locking and Unlocking a Voice Memo

Lock a voice memo to prevent it from being deleted. You must unlock a voice memo to delete it or to send it in a Multimedia Message.

Find the Feature

 > **More** > **Voice Memos**

Press	To
1 	scroll to the voice memo
2 	open the Voice Memos Menu
3 	scroll to Lock or Unlock
4 SELECT ()	lock or unlock the voice memo

To lock or unlock a voice memo during playback:

Press	To
1 	open the Voice Memos Menu
2 	scroll to Lock or Unlock
3 SELECT ()	lock or unlock the voice memo

Playback stops when you lock or unlock a voice memo. Press any number key to resume playback.

Deleting a Voice Memo

Find the Feature

 > **More** > **Voice Memos**



Press	To
1	scroll to the voice memo
2	open the Voice Memos Menu
3	scroll to Delete or Delete All
4 SELECT (⊖)	select the highlighted option
5 YES (⊖)	confirm the deletion
or	
NO (⊖)	cancel deletion

Notes:

- You cannot delete a locked voice note.
- You cannot recover a deleted voice note.

Calculator

You can use your phone as a calculator and currency converter.

Calculating Numbers

Find the Feature

> **More** > **Office Tools**
> **Calculator**

Press	To
1 number keys	enter a number



Press	To
2 	highlight a calculator function:
	up—add
	down—subtract
	left—multiply
	right—divide
	—clear entry
	—insert decimal point
3 = ()	perform the function

Press  to display the **Calculator Menu** for access to these options:

Function	Description
+/-	Change the entry's sign (positive/negative)
MS	Store the value in memory (overwrites current stored value)
MC	Clear the value stored in memory
MR	Replace the displayed value with the value stored in memory
Percent	Divide the displayed value by 100



Function	Description
Convert Currency	Enter and convert a currency amount.
Convert Currency Set Exchange Rate	Enter the desired exchange rate.

Security

Locking and Unlocking Applications

You can lock specific phone applications (such as **Contacts**) so that users must enter the unlock code to use them.

Find the Feature

 > **Settings** > **Security**
> **Lock Application**

	Press	To
1	keypad keys	enter your unlock code
2	OK (⊖)	open the lock application menu
3		scroll to the application
4	CHANGE (⊖)	select the application
5		scroll to Locked or Unlocked
6	SELECT (⊖)	select Locked or Unlocked



News and Entertainment



Micro-Browser



The micro-browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.



Starting a Micro-Browser Session

Find the Feature



> **Launch Mobile Web**

	Press	To
1		scroll to a bookmark, service, or application
2	SELECT ()	select the item

Shortcut: If you open a text message with a Web address (URL) embedded in it, you can press > **Go To** to launch the micro-browser and go directly to the URL.

If you are unable to establish a network connection with the micro-browser, contact your service provider.

Interacting With Web Pages



Press	To
	scroll through text, or highlight a selectable item
SELECT (⊖)	select the highlighted item
	call the highlighted phone number from the micro-browser
keypad keys, followed by OK (⊖)	enter information Tip: Press DELETE (⊖) to delete one letter at a time if you make a mistake.
BACK (⊖)	go back to the previous page
	open the Browser Menu

Downloading Pictures and Ring Tones

You can download a picture, animation, or ring tone from a Web page by selecting its link. A picture or animation is displayed when downloading is complete. A ring tone begins to play when downloading is complete.

You can store these object files on your phone, and use them as screen saver images, wallpaper images, and event alerts.

Storing a Picture or Animation File



Press	To
1 STORE (⊖)	view storage options
2	scroll to Store Only , Set as Screen Saver or Set as Wallpaper
3 SELECT (⊖)	store the file and, optionally, set it as your screen saver or wallpaper image

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

For more information about using pictures and animations, see pages 76 and 135.

Storing a Ring Tone

You can store a ring tone on your phone, and use it as an event alert.

Press	To
1 STORE (⊖)	view storage options
2	scroll to Store Only or Set As Ring Tone



Press	To
3 SELECT (⊖)	select the option If you select Store Only , the procedure is complete. If you select Set As Ring Tone , your phone displays Set As Which? , and lists the events for which you can set an alert.
4 	scroll to the event
5 SELECT (⊖)	store the ring tone and set it as the event alert

For more information about using ring tones, see pages 76 and 88.

Viewing Pictures



Your phone contains pictures and animations that you can insert into text messages, and use as wallpaper and screen saver images.

Note: Your phone may include predefined images. These images are identified by a ★ (predefined object) indicator. You cannot rename, delete, or view details about predefined images.

Find the Feature

 > **Media Center** > **Pictures**



Press	To
1	scroll to the picture
2 SELECT ()	view the picture
3 up or down	view the previous/next picture
or	
DETAILS ()	view picture information
or	
	open the Picture Viewer menu to perform other procedures

The **Pictures** menu can include the following options:

Option	Description
Details	View picture information.
Set as Wallpaper	Set the picture as your phone's wallpaper image.
Set as Screen Saver	Set the picture as your phone's screen saver image.
Rename	Rename the picture.
Delete	Delete the picture.
Send in Message	Send the picture in a Multimedia Message. Note: The picture must be unlocked.

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

To adjust your phone's wallpaper and screen saver images, see page 51 and page 52.

Creating Ring Tones

You can create and store custom ring tones on your phone. The ring tones appear in the list of available alerts.

Creating a Ring Tone

Find the Feature



> **Media Center** > **My Tones**

Press	To
1	scroll to [New Tone]
2 SELECT (⊖)	select [New Tone]
3 CHANGE (⊖)	select Notes
4 keypad keys	enter notes (see following section)
5 OK (⊖)	store the notes
6 CHANGE (⊖)	select Name
7 keypad keys	enter a name for the ring tone
8 OK (⊖)	store the name
9 DONE (⊖)	store the ring tone

Entering Notes

To create a new ring tone, use the keypad keys to enter notes. For each note, you must specify the octave (optional), pitch, length, and a length modifier (optional). Press a key multiple times to cycle through its available



options and enter the necessary character as described in the following lists.

Octave

The default setting for a new tone is octave four.

Key	Display	Description
	*	enter * followed by a number (0 to 8) to set the octave

Notes and Rests

Key	Display	Description
	#	sharp
	b	flat
	a	note A
	b	note B
	c	note C
	d	note D
	e	note E
	f	note F
	g	note G
	r	rest

Lengths and Modifiers

Key	Display	Description
	0	whole note
	1	half note





Key	Display	Description
2 ARC	2	quarter note
3 DEF	3	eighth note
4 GHI	4	sixteenth note
5 JKL	5	1/32 note
1 -0	.	dotted note
	:	double dotted note
	;	2/3 length note

Volume Control Characters

Key	Display	Description
8 700	V , +, and -	Set volume level from V1 to V15 . Enter V+ or V- to increase or decrease volume one level from current setting.

Note Entry Sequence

Action	
1	Set the octave (*0 to *8) <i>before</i> selecting the note. The octave applies to the note and all following notes until you change it again. (optional)
2	Enter a sharp or flat (# or b) <i>before</i> selecting the note, if necessary. (optional)
3	Press a keypad key to select the note. (required)

Action

- 4 Set the length (**0** to **5**) *after* selecting the note. If you do not specify a length, a quarter note length (**2**) is appended to the note. (required)
- 5 Enter a length modifier (. or : or ;) *after* you set the length, if necessary. (optional)

You can perform the following tasks when creating a tone:

Task	Action
Insert a rest	Enter one or more rests (r characters) as needed in the tone sequence. Set the length of the rest (0 to 5) <i>after</i> the rest, just as you would for a note.
Adjust volume	Enter V+ or V- to increase or decrease volume one level at the current location in the note sequence.
Listen to a new tone as you compose it	Press [F] to enter the Compose Menu , and select Play All to play the notes you have entered.



Example

Press the following keys to create this sequence of notes and rests in octave three: **C** (quarter note), **E flat** (quarter note), **half rest**, and **G** (whole note):



Press	To	Display
1 (0+) (0+) (3DEF) (3DEF) (3DEF) (3DEF)	set octave three	*3
2 (2ABC) (2ABC) (2ABC)	enter note C	c
3 (2ABC) (2ABC) (2ABC) (2ABC)	set length to quarter note	2
4 (0+) (0+) (0+) (0+)	enter flat symbol	♭
5 (3DEF) (3DEF)	enter note E flat	eb
6 (2ABC) (2ABC) (2ABC) (2ABC)	set length to quarter note	2
7 (7PQRS)	enter rest	r
8 (1..@)	set length to half rest	1
9 (4GHI)	enter note G	g
10 (0+)	set length to whole note	0

Playing a Tone

Find the Feature

[Menu] > Media Center > My Tones



Press	To
1	scroll to the tone
2	open the My Tones Menu
3	scroll to Play
4 SELECT ()	select Play
5 PLAY ()	play the tone again
or	
CANCEL ()	return to my tones list

Editing a Tone

You cannot edit the predefined ring tones included with your phone. To edit a custom ring tone:

Find the Feature > **Media Center** > **My Tones**

Press	To
1	scroll to the tone
2 EDIT ()	open the tone details
3	scroll to the item you want to edit (Name or Notes)
4 CHANGE ()	select the item
5 keypad keys	enter new text or notes
6 OK ()	store the new text or notes
7 DONE ()	save your changes

Deleting a Tone

You cannot delete the predefined ring tones included with your phone. To delete a custom ring tone:

Find the Feature



> **Media Center** > **My Tones**



	Press	To
1		scroll to the tone
2		open the My Tones Menu
3		scroll to Delete
4	SELECT ()	select Delete
5	YES ()	confirm the deletion

Downloading a Ring Tone



You can download custom ring tones from the micro-browser application, or from a text message. To download tones from the micro-browser, see page 133.

Sending Ring Tones



You can send ring tones to other wireless phone users. To insert a ring tone in a text message, see page 66.

Radio



You can use your phone to listen to FM radio stations when the optional Motorola Original™ FM Stereo Radio Headset accessory is plugged into the phone's accessory connector port.



Turning the Radio On and Off

Press	To
Radio (⊖)	turn the radio on and off

Alternatively, you can use the following procedure:

Find the Feature  > **Media Center** > **Radio**

Press	To
On (⊖) or Off (⊖)	turn the radio on or off

Note: The **Radio** menu feature and soft key options appear only when the FM Stereo Radio Headset is plugged into the accessory connector port.

Tuning a Station

Action

Press  to scroll to the next frequency

or

Press and hold  to scroll to the next available stereo station

Storing a Preset

Action

Press and hold a number key ( to ) to assign its preset number to the tuned station

Selecting a Preset

Press	To
a number key (1-6 to 9NEXT)	tune the station stored at the preset location



Sending and Receiving Calls With the Radio On

Your phone rings or vibrates as usual to notify you of an incoming call, message, or other event.

Action
Press IGNORE (⊖) to ignore the call
Press ANSWER (⊖), or press the button on the FM Stereo Radio Headset microphone, to answer the call
Note: You can use the FM Stereo Radio Headset microphone to converse with the other party during a call

To end the call and resume the FM broadcast:

Action
Press (⊕), or press and hold the button on the FM Stereo Radio Headset microphone, to end the call

Turn the radio off before dialing outgoing calls from the phone keypad. You do not have to turn off the radio to dial emergency numbers, or numbers selected from **Contacts** or your recent call lists.



Tip: To dial a recently called number, press  or the button on the FM Stereo Radio Headset microphone to go to the dialed calls list. For information on how to use the dialed calls list, see page 58.

DRAFT

Troubleshooting

Check these questions first if you have problems with your phone. If you need additional help, contact the Motorola Customer Call Center at 1-800-331-6456 (USA) or 1-800-461-4575 (Canada).



Question	Answer
Is your phone set up correctly?	Press . If you do not see your phone number, contact your service provider.
Is your battery charged? Do you see in the display?	The battery level indicator should have at least one segment showing (). If it does not, recharge your battery. See page 19.
Does the handset have a signal? Do you see in the display?	Make sure that your antenna is fully extended. The signal strength indicator should have at least one segment showing (). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the upper volume key on the side of your phone.



Question	Answer
Is the other party unable to hear you?	Make sure that your antenna is fully extended and that your phone is not muted. Press UNMUTE (⊖) if necessary to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.
Has the phone been damaged, dropped, or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery or battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery or battery charger used?	

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 48.



Problem	Solution
I pressed the power key, but nothing happened.	Be sure to press and hold  (the power key) until the display appears and you hear an alert. This could take several seconds. If nothing happens, check that a charged battery is installed. See page 18.
The display says: Enter Unlock Code. How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last four digits of your phone number. If this fails, call your service provider (the company that sends you your monthly wireless service bill).
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you do not know the unlock code, see page 48.
My phone does not ring.	If you see  or  in the display, then the ringer is turned off. To change the ring style, see page 49. Also, the ringer may be set to Silent even though your phone is set to an audible ring style. To set an audible alert, see page 88.



Problem	Solution
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display says Ready before making a call.
I cannot send/receive calls.	Make sure that your antenna is fully extended and that you have a phone signal (the signal strength indicator should have at least one segment showing). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have the Restrict Calls feature turned on. If you know the unlock code, you can change this setting in the security menu (☰ > Settings > Security).
My phone has poor reception and drops calls.	Make sure that your antenna is fully extended and is not bent or damaged. Also, make sure you have a phone signal (the signal strength indicator should have at least one segment showing). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.



Problem	Solution
I cannot hear others on my phone.	While on a call, press the upper volume key. The display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my message inbox.	Before you can use text messages, you must set up the message inbox. See page 65.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received:  > More > Recent Calls > Received Calls or > Dialed Calls



Problem	Solution
My phone will not send voicemail commands, passwords, or other codes.	You must send PIN codes and passwords as DTMF tones while on a call. You can set your phone's DTMF tones to be Long, Short, or Off. If you have trouble sending numbers, try changing the DTMF setting. 1 From the idle display, press:  > Settings > Initial Setup > DTMF 2 Press  to scroll to Long or Short (some analog networks may not recognize short tones). 3 Press SELECT () to select it.
My phone's display is too dark.	Use the Contrast feature to change the level of contrast in your display. You can also use the Backlight feature to change the length of time that the display backlight stays on. See page 53.



Problem	Solution
My battery didn't last as long as I expected. What can I do to extend battery life	Your battery's performance is affected by charge time, feature use, temperature changes, backlight use, and other factors. For tips on extending battery life, see page 19.
I am unable to record a voice note, voice name, or voice shortcut.	Try moving to a quieter location to make your voice recording. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.
My TTY device doesn't work with my phone.	Your phone must be set to a TTY mode for the phone to detect your TTY device. See page 99.
I plugged the data cable into my phone but my phone did not beep. How do I know if the data cable is ready to go?	The beep indicates that you are set up correctly. If you did not hear a beep, make sure that both ends of the data cable are connected—the smaller end to your phone and the larger end to your computer. Also, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a fax or dial-up application, to automatically activate the port.



Problem	Solution
My phone beeped when I attached the data cable, but my data and fax applications do not work.	You must be in an area with digital coverage. Check your phone's display for the digital signal indicator (D). Some wireless networks may not support data or fax transmission. If you see the digital indicator, but you are roaming on an unfamiliar network, this may be the case. Also, remember that data and fax transmission usually requires a subscription. Call your service provider for more information.
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing on your phone. Or try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer, as these alternative methods may disrupt the application on your computer.



Problem	Solution
I launched the micro-browser but the display says: Service Not Available.	You may be in an area without service. If you have wireless service, look in the display for the digital signal indicator (Ⓓ). If you do not see the indicator, you may be in an area that has only analog service or no service at all. If you see the digital signal indicator, you may be connected to a digital network that does not support Internet access.
I launched the micro-browser but the display says: Data Server Unavailable.	Try again in a few minutes. The servers may be temporarily busy.

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. Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.32 W/kg, and when worn on the body, as

described in this user guide, is 0.36 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).²

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

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

<http://phonefacts.net>

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

<http://www.cwta.ca>

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

Consumer Information on Wireless Phones from the FDA



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

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

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

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode.

Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

What about children using wireless phones?

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

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

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

Do 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	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

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Product Registration

Online Product Registration:

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

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

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

Thank you for choosing a Motorola product.

Export Law Assurances

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

RF Energy Interference

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

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MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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



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

- 
- 8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*
- 9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*
- 10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

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



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or visit the
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