INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

EXHIBIT 8

Motorola V120t (Tarpon) TDMA R1.3 Mobile Phone User's Guide
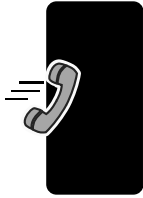
Technical Review Draft

February 8, 2002

Changes to TDMA R1.3 Files:

- "Menu Map" chapter. Changed "Message" menu option order.

- "Menu Map" chapter. Added "Ring Styles" to main menu, removed "Ring/Vibrate" from Settings menu.

- "Menu Map" chapter. Added "Location" feature to the Settings menu for Tarpon V120x phones.

- "Menu Map" chapter. Added "TTY Setup" to the Initial Setup menu.

- "Getting Started"/"Charging the Battery" section. Rewrote first paragraph as required (new boilerplate text).

- "About Your Phone" chapter. Changed ring or vibrate alert references to "ring styles."
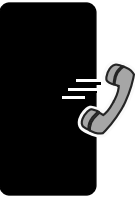
- "About Your Phone"/"Battery Use" section. Added new intro paragraph (new boilerplate text), and the "Extending Battery Life" section.

  - "Sending and Receiving Calls"/"Dialing With One-Touch Dial" section. Rewrote voicemail description.

- "Entering Text"/"Tap Method"/"General Text Entry Rules" section. Rewrote text entry callouts (Phoenix and Tarpon phones) to document cursor left/right movement in numeric mode.

- "Menu Feature Descriptions" chapter. Moved "Ring/Vibrate" up to a top-level menu feature, renamed it to "Ring Styles."

- "Menu Feature Descriptions"/"Settings Menu"/"Phone Status" section. Added "Active Line" feature description.

- "Menu Feature Descriptions" chapter. Added "TTY Setup" feature description to the "Initial Setup" section.

- "Phonebook"/"Storing a Phonebook Entry" section. Added procedural steps that describe how to turn on/off distinctive ringer ID tones (TDMA phones).

- "Phonebook"/"Storing a Phonebook Entry" section. Added procedural steps that describe how to create multiple phonebook entries for a single name.

- "Messages - Voicemail"/"Storing Your Voicemail Number" section and "Listening to a Voicemail Message" section. Rewrote text related to storing the voicemail number as phonebook entry number 1.

- "Messages-Voicemail"/"Receiving a New Voicemail Message" section. Second paragraph, rewrote reminders interval description, eliminated reference to "every five minutes."

- "Messages - Text"/"Setting Up the Text Message Inbox" section. Added procedural steps that describe how to turn on/off SMS Alerts during a voice call (TDMA phones).

- "Messages-Text"/"Receiving a Text Message" section. Second paragraph, changed reminders interval description, eliminated reference to "every five minutes."

- "Messages-Text"/"Reading, Locking, or Deleting a Text Message" section. Added new indicators to first procedure step. Moved the "Create Message" option to the top of the Text Msg Menu table.

- "Messages - Text" chapter. Added new section "Storing Sounds From a Text Message" (TDMA phones).

- Added new "Ring Styles" chapter.

- "Ring Styles"/"Setting Reminders" section. Changed reminders interval description, eliminated reference to "every five minutes."

- "Ring Styles"/"Customizing a Ring Style"/"Activate and Deactivate Ringer IDs" section added (TDMA phones).

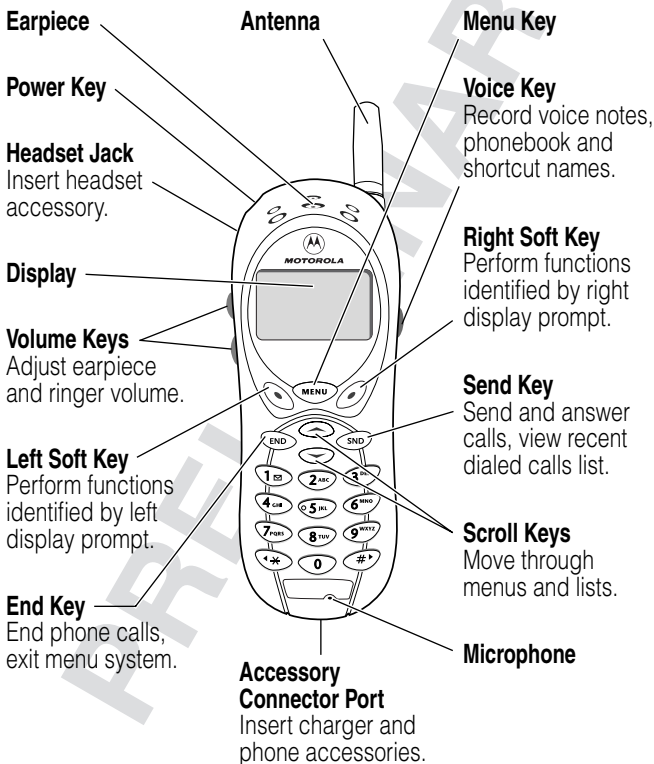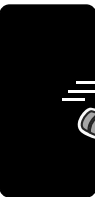- "Browser" chapter. Added new section "Downloading Sounds" (TDMA phones).
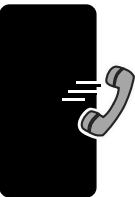
- "Games" chapter. Rewrote existing descriptions for "BlackJack," "MindBlaster," and "Paddleball." Added new descriptions for "Falling Numbers," "Reversal," and "Video Poker." (New descriptions added as appropriate for specific CDMA and TDMA phones.)

- "Adjusting Your Settings" chapter. Removed "Ring/Vibrate" and "Reminders" sections, created new "Ring Styles" chapter for those topics.

- "Adjusting Your Settings"/"Use the My Tones Feature" section. Added new "Downloading Tones" section (TDMA phones).

- "Adjusting Your Settings" chapter. Added new "TTY Operation" section.

- "Troubleshooting" chapter. Added new "TTY" note.

- "Troubleshooting" chapter. Added new text about the backlight affecting battery life.

- "Troubleshooting" chapter. Updated references to "Ring Styles" feature.

- "Programming Instructions" chapter. Rewrote instructions to support dual NAM programming.

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V120t wireless phone.

Earpiece

Power Key

Headset Jack
Insert headset accessory.

Display

Volume Keys
Adjust earpiece and ringer volume.

Left Soft Key
Perform functions identified by left display prompt.

End Key
End phone calls, exit menu system.

Antenna

Accessory Connector Port
Insert charger and phone accessories.

Menu Key

Voice Key
Record voice notes, phonebook and shortcut names.

Right Soft Key
Perform functions identified by right display prompt.

Send Key
Send and answer calls, view recent dialed calls list.

Scroll Keys
Move through menus and lists.

Microphone

Personal Communications Sector
600 North U.S. Highway 45
    Libertyville, Illinois 60048

1-800-331-6456 (United States)
1-888-390-6456 (TTY/TDD United States)
1-800-461-4575 (Canada)

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

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Cover number: 8988485L49-O

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Menu Map

Main Menu

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

Note: This is the standard phone menu layout. You or your service provider may have changed the menu layout or changed some feature names. Not all features may be available for all users.

For example, the **Radio** feature on the main menu (left) is displayed only when the optional FM Stereo Radio Headset accessory is plugged into the accessory connector port on your phone (see phone illustration, page 1).

Shortcuts
Change display zoom: Press (MENU), then press and hold (MENU)
Lock/unlock keypad: Press (MENU) (✶)
Display my phone number: Press (MENU) (#)
Go to dialed calls list: Press (SND)
Exit menu system: Press (END)

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Settings Menu

- **Phone Status**
  - My Tel. Number
  - Active Line
  - Battery Meter
  - Other Information
- **Connection**
  - Incoming Call
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Talk Secure
  - Restrict Calls
  - New Passwords

- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Greeting
    - Quick Dial
  - Initial Setup
    - Time and Date
    - Auto PIN Dial
    - Auto Redial
    - Backlight
    - Zoom
    - TTY Setup
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
  - Car Settings
  - Headset

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About This Guide

This user guide introduces you to the many features in your Motorola wireless phone.

Navigating To a Menu Feature

You can access many of your phone's features through the menu system. This guide shows you how to navigate to a specific menu feature as follows:

Find the Feature　　$\langle$MENU$\rangle$ > Messages
　　　　　　　　　　　　　　 > Text Msgs

The > symbol means that you should scroll to and select the feature. This example shows that you must press $\langle$MENU$\rangle$, scroll to and select Messages, then scroll to and select Text Msgs.

Optional Features

Features marked with this label are optional network and/or subscription-dependent features. These features may not be offered by all service providers in all geographical areas.
Contact your service provider for more information.

Optional Accessories

Features marked with this label require the use of an optional Motorola Original™ accessory.

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Safety and General Information

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

The information provided in this document supersedes the general safety information contained in user guides published prior to July 2000. For information regarding radio use in a hazardous atmosphere please refer to the Factory Mutual (FM) Approval Manual Supplement or Instruction Card, which is included with radio models that offer this capability.

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.

RF Operational Characteristics

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The phone operates in the frequency range of 824 MHz to 849 MHz in analog and digital mode and 1850 MHz to 1910 MHz in digital mode.

When you communicate with your phone, the system handling your call controls the power levels at which your phone transmits. The output power level typically may vary over a

range from _____ watts to _____ watts in analog mode and _____ watts to _____ watts in digital mode.

Exposure To Radio Frequency Energy

Your Motorola phone is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy:

- United States Federal Communications Commission, Code of Regulations; 47 CFR part 2 sub-part J

- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95.1-1992

- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition

- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986

- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999

- Australian Communications Authority Radiocommunications (Electromagnetic Radiation-Human Exposure) Standard 1999

To assure optimal phone performance and make sure human exposure to radio frequency electromagnetic energy is within

the guidelines set forth in the above standards, always adhere to the following procedures:

Portable Phone Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Do NOT hold the antenna when the phone is in use. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone. **Speak directly into the microphone.**

Body-Worn Operation

To maintain compliance with FCC/Health Canada RF 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 product. Use of non-Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines. If you do not use one of the Motorola-supplied or approved body-worn accessories, and are not using the phone held in the normal use position, **ensure the phone and its antenna are at least one 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 one inch (2.5 centimeters) from your body.**

Approved Accessories

For a list of approved Motorola accessories, visit our website at www.mot.com.

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your phone in any facility where posted notices instruct you to do so. Hospitals or health care facilities 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

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 centimeters) be

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maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, the United States Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the phone more than six 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.

Safety and General 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.

Operational Warnings

For Vehicles With an Air Bag

Do not place a portable phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable 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 the phone is a model specifically identified as being "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, and any other area where you would normally be advised to turn off your vehicle engine. 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 two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use any portable phone that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches 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.

ITC01-101

Getting Started

What's in the Box?

Your wireless phone typically comes equipped with a battery and a charger. Other accessory options can 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.

Installing the Battery

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

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

Do This

1 Remove the battery from its protective clear plastic case.

2 If the phone's battery door is in place, slide down the release latch and lift the door off of the phone.

Release latch
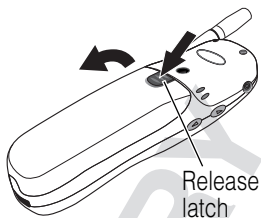
3 Insert the battery, printed arrows first, into the battery compartment and push down.
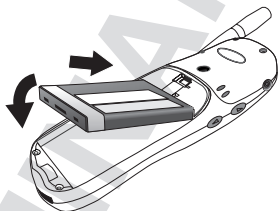
4 Replace the battery door.

Charging the Battery

New batteries are shipped partially charged. Before you can use your phone, you need to install and charge the battery, as indicated by the following instructions.

Getting Started

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Some batteries perform best after several full charge/discharge cycles.

Do This
1 Plug the travel charger into your phone with the release tab facing up.   Release tab
2 Plug the other end of the travel charger into the appropriate electrical outlet.
3 When your phone indicates that the battery is fully charged (Charge Complete), press the release tab and remove the travel 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.

Turning Your Phone On

Do This	To
1 Press and hold ◎	turn on your phone

Power key

Getting Started
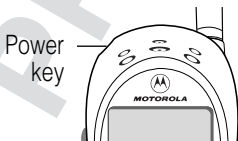
Do This	To
2 If necessary, enter your four-digit unlock code and press OK ($\oslash$)	unlock your phone
	The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Sending a Call

To call a number, your phone must be unlocked and have a network connection with adequate signal strength.

Press	To
1 keypad keys	dial the phone number
	Tip: If you make a mistake, press DELETE ($\diagdown$) to delete the last digit, or press and hold DELETE ($\diagdown$) to clear all digits.
2 $\textcircled{\tiny SND}$	send the call

Note: You can make an emergency call even when the phone is locked. See "Dialing an Emergency Number" on page 30.

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Ending a Call

Press	To
$\textcircled{\tiny END}$	end the call

Receiving a Call

To receive a call, your phone must have a network connection with adequate signal strength. If your phone is locked, you must unlock it to answer the call.

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

Press	To
$\textcircled{\tiny SND}$ or ANSWER ($\oslash$)	answer the call

Displaying Your Phone Number

From the idle display:

Press	To
$\textcircled{\tiny MENU}$ $\textcircled{\tiny \#}$	see your phone number

About Your Phone

See page 1 for a basic phone diagram.

Display

Phone status indicators appear at the top of the display. Messages, phone numbers, and menu options appear below the status indicators.

Labels at the bottom corners of the display show the current soft key functions. When you see the $\equiv$ (menu) indicator at the bottom center of the display, you can press (MENU) to open the main menu or a feature sub-menu.

Some phone functions must be performed from the *idle display*, the standard display that you see when you are *not* on a call or using the menu.

❸ In Use Indicator

❹ Roam Indicator

❺ Message Waiting Indicator

❷ Digital/ Analog Signal Indicator

❻ Voice Message Waiting Indicator

❶ Signal Strength Indicator

❼ Battery Level Indicator

❷ Digital/ Analog Signal Indicator

❿ Ring Style Indicator

❾ Clock

❽ Menu Indicator

12:00am

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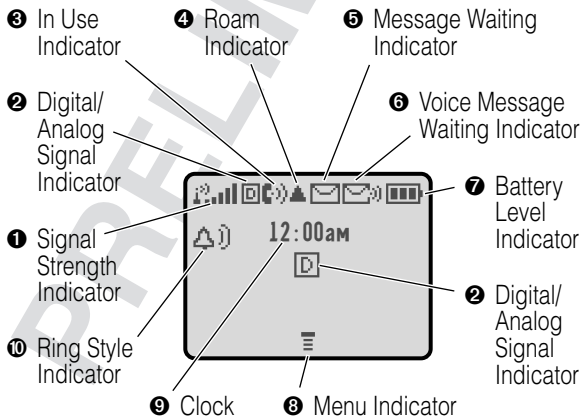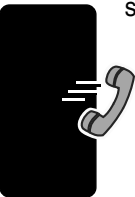
➊ **Signal Strength Indicator** Vertical bars show the strength of the network connection. You cannot send or receive calls when the i^9 (no signal) indicator is displayed.

➋ **Digital ($\boxed{D}$) or Analog ($\boxed{A}$) Signal Indicators** Your service provider may use one or both indicators to show whether you are receiving a digital or analog signal.

➌ **In Use Indicator** Shows that a call is in progress.

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

➎ **Message Waiting Indicator** Appears when you receive a text message.

➏ **Voice Message Waiting Indicator** Appears when you receive a voicemail message.

➐ **Battery Level Indicator** Vertical bars show the amount of charge left in your battery. Recharge the battery as soon as possible when your phone displays Low Battery and you hear the low battery alert.

➑ **Menu Indicator** Shows that you can press (MENU) to open a menu.

➒ **Clock** Shows the current time.

⓾ Ring Style Indicator Shows the current selected ring style. The default setting is a ringer.

△⟩ = loud ring   △⟩⟩ = soft ring

▩d▩ = vibrate   ▸△ = ring and vibrate

△ᶻᶻ = silent

Changing the Zoom Setting

You can set your phone's display to show three lines or two lines of text plus soft key labels. Three lines of text display more information, while two lines increase text size.

To change the display view, press (MENU) once, then press and hold (MENU) again within two seconds of the first press.

You can also adjust the zoom setting from the menu. See the "Zoom" option on page 59.

Volume Keys

Use the upper and lower volume keys to adjust your phone's earpiece and ringer volume.
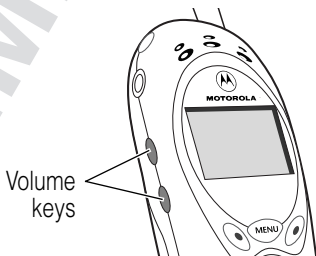
Volume keys

When	Press	To
you are in a call	volume keys	increase or decrease earpiece volume
the idle display is showing	volume keys	increase or decrease ringer volume

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Battery Use

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

Battery Care

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.

Extending Battery Life

- **Talk less or send fewer messages**
  It's simple, but the more you talk or send text or chat messages, the more battery power you use.

- **Turn off your display backlight**
  The backlight uses power, too. To turn it off, see the Backlight option on page 59.

- **Avoid keypad-intense functions**
  Activities that require intensive keystroke use (such as playing a game or using messaging) reduce your phone's talk and standby time. Lock the keypad (see page 140) when storing the phone in your purse or pocket to avoid unnecessary keypad and backlight activations.

- **Spend less time on the Internet**
  Using your phone's Internet micro-browser reduces the phone's talk and standby time.

Sending and Receiving Calls

For basic instructions on how to send a call, end a call, and receive a call, see pages 21–22.

Redialing a Number

If you hear an ordinary busy signal:

Press		To
1	(END)	hang up
2	(SND)	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 repeats the call attempt 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. See the "Auto Redial" option on page 58.

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

Press	To
$\odot$ or RETRY ($\oslash$)	activate automatic redial

Caller ID

The *calling line identification* (caller ID) feature displays the caller's phone number for incoming calls.

If the caller's name is stored in your phonebook, the phone displays the name. If caller ID information is not available, the phone displays Incoming Call.

Talk Secure

When *talk secure* is activated, your phone always tries to use a high-security connection to prevent others from intercepting your calls. To activate the secure connection feature, see "Activating Talk Secure" on page 141.

Note: If a high-security connection is not available, your phone uses a standard connection. Your phone displays the message Line Not Secure when using a standard connection, unless caller ID or other information already fills the display.

Returning an Unanswered Call

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

- the ⬛ (missed call) indicator

- X Missed Calls Y Unknown, where X is the total
  number of missed calls and Y is the number of
  missed calls with no caller ID information

Press	To
1 VIEW (⊘)	see the received calls list
2 ⬍	select a call to return
3 ⟨SND⟩	send the call

Dialing 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
emergency number(s) may not work in all locations.

Press	To
1 keypad keys	dial the emergency number
2 ⟨SND⟩	call the emergency number

Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
⟨END⟩ or IGNORE (◊)	cancel the incoming call

Depending on your phone settings and the type of subscription you have with your service provider, the call may be forwarded to another number, or the caller may hear a busy signal.

Dialing With Speed Dial

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

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

Dialing With One-Touch Dial

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

It is recommended that you reserve phonebook entry 1 (speed dial number 1) for storing and dialing your voicemail number. In many cases, your service provider has already done this for you. For more information, see page 83.

Dialing a Number In a Text Message

To dial a phone number embedded in a text message that you receive:

Press	To
1 $(MENU)$	open the Text Msg Menu
2 $\hat{\smile}$	scroll to Call Back
3 SELECT ($\oslash$)	dial the number

Additional Dialing Features

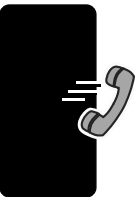While dialing (with digits visible in the display), you can open the Dialing Menu to perform the following tasks:

Press	To
$(MENU)$ > Attach Number	attach a number from the phonebook or recent call lists
$(MENU)$ > Send Message	open a new text message with the number in the To field

To insert a special character for calls that require additional digits (for example, to make a calling card call, or to retrieve messages from an answering machine):

Press	To
(MENU) > 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).
(MENU) > 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).
(MENU) > 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

You can also call a number using these features:

Sending and Receiving Calls

Using Features While On a Call

Using Call Waiting

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

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

Making a Three-Way Call

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

	Press	To
1	keypad keys	enter the third party's number
2	(SND)	call the new person
3	(SND)	connect the two calls
4	(END)	end the entire call

Additional On-Call Features

Press	To
MUTE (⊘) (if available) or (MENU) > Mute	mute the call
SPEAKER (⊘) (if available) or (MENU) > Spkrphone On	activate an attached speakerphone (hands-free mode)
(MENU) > My Tel. Number	view your phone number
(MENU) > Send Tones	send a number to the network as DTMF tones (for credit card or password calls)
	To activate DTMF tones, see the "DTMF" option on page 60.
(MENU) > Received Calls or Dialed Calls	view recent received or dialed call numbers
(MENU) > Messages	view or send messages
(MENU) > Datebook	view datebook entries
(MENU) > Other Information	view phone specifications

Using the Menu

Navigating to a Feature

Use these keys to move through the menu system:

Left Soft Key
Perform the function shown in the lower left corner of the display (usually EXIT or BACK).

Menu Key
Enter the menu system, or open a sub-menu, when ≡ appears in the bottom center of the display.

End Key
Exit the menu system without making changes, return to the idle display.
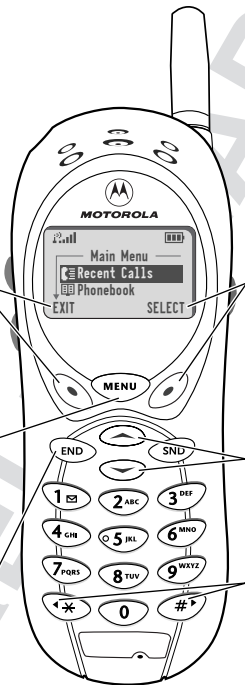
Right Soft Key
Perform the function shown in the lower right corner of the display (usually SELECT the highlighted menu item).

Scroll Keys
Move up or down through menus and lists.

✳ and #
Cycle through and set the value of the highlighted menu item.

Selecting a Feature Option

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

Press
BACK ($\diamond$)
to go back to
the previous
screen.
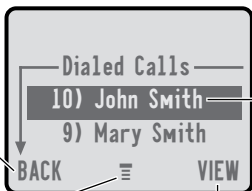
─Dialed Calls─
10) John Smith ─── Highlighted
9) Mary Smith   item

BACK   ≡   VIEW

Press $\overline{\text{MENU}}$ to
open the sub-menu.

Press VIEW ($\oslash$) to view
details of the highlighted item.

- Press $\hat{\underset{\smile}{}}$ to scroll up or down to highlight the item you want.

- In a numbered list, press a number key to highlight the item.

- In an alphabetized list, press a key multiple times to cycle through the letters on the key and highlight the closest matching list item.

Entering Feature Information

Some features require you to enter information :

Press ⊜ to scroll down to additional items.

— Entry Details —
Name:John Smith
No.:2125551212
CANCEL   CHANGE

Highlighted item

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

Press CHANGE (⊘) to edit the information.

- Enter numbers or text with the keypad.

- When an item has a list of possible values, press ⊛ or ⌗ to scroll through and select a value.

- When an item has a list of possible numeric values, press a number key to set the value.

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

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

Flashing cursor indicates insertion point.

Msg:

Press CANCEL (✆) to exit without making changes.

Press 〈MENU〉 to open the sub-menu.

Press BROWSE (✐) to view and insert a name, number, or message from previously stored information.

When you enter text, the flashing cursor changes to a *block cursor*, and the soft key functions change:

Block cursor indicates current highlighted character.

Msg:
T

DELETE   ≡   OK

After two seconds, the block cursor reverts to a flashing cursor and moves to the next position.

Press OK (✐) to accept and store the text.

Press DELETE (✆) to delete the character to the left of the insertion point.

Entering Text

Multiple text entry methods make it easy for you to enter names, numbers, email addresses, and text messages on your phone.

Choosing a Text Mode

Press $\boxed{\text{MENU}}$ from any text entry screen to select the text mode from the `Entry Method` menu:

`iTAP`	Let the phone predict each word as you enter it (see page 46).
`Tap Method`	Enter letters, numbers, and symbols by pressing a key one or more times (see page 42).
`Numeric`	Enter numbers only.
`Symbol`	Enter symbols only (see page 45).
`Browse`	Browse your phonebook or recent call lists to select a name or number.

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

Tap Method

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

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

	Do This	To
1	Press a number key one or more times	select a letter, number, or symbol shown in the "Character Chart" on page 44
2	Continue pressing number keys	enter the remaining characters
3	Press `OK` (⊘)	store the text when you are finished

General Text Entry Rules

Press a number key repeatedly to cycle through its characters (see "Character Chart" on page 44):

To enter text at flashing cursor location: Press a number key (as many times as necessary to enter the desired character).

To change a letter in a block cursor to uppercase or lowercase when using **tap method**: Press these keys.

To move the flashing cursor left or right in **numeric mode**: Press these keys.

To cycle between **tap method** and **numeric mode**: Press and hold a number key.

To move the flashing cursor left or right when using **tap method**: Press these keys.

Msg

CANCEL   ☰   BROWSE

MOTOROLA

MENU

END   SND

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

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- The first character of every sentence is capitalized. (Press 🔽 down to force the character to lowercase while it is highlighted by the block cursor).

- Your phone may support multiple languages. The current language setting determines whether a new message begins on the left or right side of the display.

You can switch languages within a message. Press `MENU` to select the text mode and language you want to use.

Character Chart

Use this chart as a guide for entering spaces, letters, numbers, and symbols with the tap method.

`1`	*space* . 1 ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
`2ABC`	a b c 2 ä å á à ã α β ç
`3DEF`	d e f 3 δ é è ê φ
`4GHI`	g h i 4 í γ
`5JKL`	j k l 5 λ
`6MNO`	m n o 6 ñ ö ø ó ò ô õ ω
`7PQRS`	p q r s 7 π ß σ
`8TUV`	t u v 8 θ ü ú ù
`9WXYZ`	w x y z 9 ξ ψ
`0`	+ - 0 x * / \ [ ] = > < # §

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

Entering Text

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Symbol Mode

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

	Do This	To
1	Press a number key one time	display its symbol options at the bottom of the display (see "Symbol Chart" on page 45)
2	Press $\circledast$ or $\circledast$	highlight the symbol you want
	or	
	Press the number key multiple times	
3	Press **SELECT** ($\oslash$)	enter the symbol at the flashing cursor location

Symbol Chart

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

$\boxed{1 \boxtimes}$	*space* . ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
$\boxed{2^{ABC}}$	@ _ \
$\boxed{3^{DEF}}$	/ : ;
$\boxed{4^{GHI}}$	" & '
$\boxed{5^{JKL}}$	( ) [ ] { }
$\boxed{6^{MNO}}$	¿ ¡ ~

|	
7ᴘǫʀs	< > =
8ᴛᴜᴠ	$ £ ¥ ¤ €
9ᴡxʏᴢ	# % *
0	+ - x * / = > < # §

Predictive Text Entry with iTAP™ Software

iTAP™ software provides a predictive text entry method that lets you enter the letters of a word using only one keypress per letter.

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

Enter Words

Do This	To
1 Press a number key one time	enter the first letter of the word
	The letters associated with the key are shown at the bottom of the display.
2 Press number keys (one per letter)	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.

Do This	**To**
3 Press $\circledast$ or $\circledast$	lhighlight the word you want
4 Press SELECT ($\oslash$)	enter the word at the flashing cursor location
	A space is automatically inserted after the word.
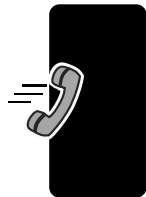
For example, to spell the word "act," press $\overline{2}^{ABC}$ $\overline{2}^{ABC}$ $\overline{8}^{TUV}$. The display shows:

Flashing cursor indicates insertion point.
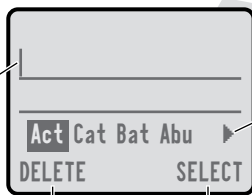
Press $\circledcirc$ to scroll and see additional word choices.

Act Cat Bat Abu ▶

DELETE   SELECT

Press DELETE ($\searrow$) to clear the last letter entered.

Press SELECT ($\oslash$) to insert the highlighted word at the insertion point.

Entering Text

Enter Novel Words

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

Do This	**To**
1 Press DELETE ($\searrow$) one or more times	delete letters until you see a letter combination that matches the start of the word

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	Do This	**To**
2	Press ⊛ or ⌗	highlight the letter or letter combination
3	Press SELECT (⊘), then press ⊛	shift the text entry cursor to the left and "lock" the selected word portion
4	Continue to enter letters and highlight letter combinations	spell the word

Punctuation

Press	**To**
⓪ or ①	enter punctuation or other characters as shown in the "Character Chart" on page 44

Capitalization

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

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

Enter Numbers

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

Delete Letters and Words

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

Do This	To
Press DELETE (◌)	delete one letter at a time
Hold DELETE (◌)	delete the entire message

PRELIMINARY

Menu Feature Descriptions

This chapter describes all of your phone's features in order of the menu map shown on pages 3–4.

Main Menu

RECENT CALLS

Received Calls   (MENU) > Recent Calls
                                > Received Calls

View a list of recently received calls. See "Viewing the Received Calls or Dialed Calls List" on page 63.

Dialed Calls   (MENU) > Recent Calls
                                > Dialed Calls

View a list of recently dialed calls. See "Viewing the Received Calls or Dialed Calls List" on page 63.

Notepad   (MENU) > Recent Calls
                                > Notepad

Call or store the last number entered on the keypad. See "Terminating an Incoming Call" on page 30 and "Using the Notepad" on page 64.

Call Times   (MENU) > Recent Calls
                                > Call Times

View call timers that track time spent on your last call, dialed calls, received calls, all calls since reset, and all calls total. See "Viewing and Resetting Call Timers" on page 65.

PHONEBOOK MENU > Phonebook

Store names and numbers as entries in your phonebook, then call numbers by selecting them from the phonebook list. See "Phonebook" on page 67.

DATEBOOK MENU > Datebook

Use the datebook calendar to schedule and review your appointments. See "Datebook" on page 75.

QUICK DIAL MENU > Quick Dial

Dial pre-programmed numbers. Your service provider may program your phone with one or more quick dial numbers, such as the customer service number. You can call them by selecting them from the quick dial list.

Note: Your service provider may use a different name for this feature.

RADIO MENU > Radio

Listen to FM radio stations with the optional Motorola Original™ FM Stereo Radio Headset accessory. This menu feature is displayed only when the FM Stereo Radio Headset is plugged into the accessory connector port on your phone. See "Radio" on page 80.

Adjust message settings, view and manage the various types of messages your phone can receive and/or send:

Text Msgs	Send and manage text messages. See "Messages—Text" on page 85.
Create Msg	Create new text messages. See "Sending a Text Message" on page 91.
Voicemail	Listen to your recorded voice messages. See "Messages—Voicemail" on page 83.
Browser Alerts	Read alert messages received by your micro-browser.
Quick Notes	Select and send pre-written messages from the quick notes list. See "Sending a Quick Note Text Message" on page 93.
Outbox	View all outgoing text messages, delivered and undelivered.

Menu Feature Descriptions

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Drafts	Store and edit text messages that you have written but not sent.

RING STYLES

Style   `MENU` > Ring Styles
          > Style

Select the ring style your phone uses to notify you of incoming calls, messages, or other events. See "Ring Styles" on page 95.

Style Detail   `MENU` > Ring Styles
          > *Style* Detail

Change details about the current ring style. *Style* represents the name of the ring style. See "Ring Styles" on page 95.

My Tones   `MENU` > Ring Styles
          > My Tones

Create custom alert tones for your phone. See "Using My Tones" on page 97.

SHORTCUTS   `MENU` > Shortcuts

Create keypad or voice shortcuts to menu features. See "Shortcuts" on page 104.
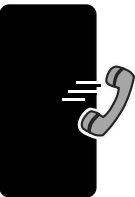
VOICE NOTES   `MENU` > Voice Notes

Use the voice key to record messages and phone calls. See "Voice Notes" on page 107.

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

BROWSER   (MENU) > Browser

Access Web pages and run Web-based applications. The micro-browser delivers WAP (Wireless Application Protocol) pages from your service provider directly to your phone. See "Micro-Browser" on page 113.

CALCULATOR   (MENU) > Calculator

Use your phone as a calculator or currency converter. See "Calculator" on page 116.

GAMES   (MENU) > Games

Play games on your phone. See "Games" on page 119.

Settings Menu

PHONE STATUS

My Tel. Number   (MENU) > Settings
                             > Phone Status
                             > My Tel. Number

View, enter, and edit information about your name and phone number.

Active Line   (MENU) > Settings
                           > Phone Status
                           > Active Line

Change the active phone line to send and receive calls from either of the available numbers.

Battery Meter   (MENU) > Settings
                    > Phone Status
                    > Battery Meter

View a detailed battery charge meter.

Other Information   (MENU) > Settings
                        > Phone Status
                        >
                        Other Informatio
                        n

Network / Subscription Dependent Feature

View your phone's feature specifications
(if available from the service provider).

CONNECTION

Optional Accessory

Connect your phone to a computer or
hand-held device to send and receive data
calls on the connected device. See "Data
Calls" on page 131.

Incoming Call   (MENU) > Settings
                    > Connection
                    > Incoming Call

Specify the format for the next incoming call. You
can select Data In Only or Normal. See "Receiving
a Data Call" on page 134.

IN-CALL SETUP

Set the features that are active during a call, such
as the in-call timer and call answering options.

In-Call Timer   (MENU) > Settings
                    > In-Call Setup
                    > In-Call Timer

Adjust call timer Display and Beep settings. You can
set your timer to beep at a selected interval during

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your calls. (60 seconds is the default.) You can also turn on or off a display timer during calls as follows:

Time   Display the elapsed time for
                      the current call.

Off   No in-call timer display.

Answer Options   (MENU) > Settings
                      > In-Call Setup
                      > Answer Options

Turn call answering options on or off:

Multi-Key   Answer by pressing any key.

SECURITY

Phone Lock   (MENU) > Settings > Security
                      > Phone Lock

Lock and unlock your phone. See "Locking and Unlocking Your Phone" on page 139.

Lock Keypad   (MENU) > Settings > Security
                      > Lock Keypad

View instructions on how to lock and unlock your keypad. See "Locking and Unlocking Your Keypad" on page 140.

Lock Application (MENU) > Settings > Security
                      > Lock Application

Lock and unlock specific phone applications (such as phonebook or datebook). When an application is locked, users must enter the unlock code to use the application.

Talk Secure (MENU) > Settings > Security
 > Talk Secure

Activate a secure connection to prevent others
from intercepting your calls. See "Talk Secure"
on page 29 and "Activating Talk Secure" on
page 141.

Restrict Calls (MENU) > Settings > Security
 > Restrict Calls

Restrict incoming and outgoing calls. See
"Restricting Calls" on page 140.

New Passwords (MENU) > Settings > Security
 > New Passwords

Change your unlock code (originally set to 1234) or
your security code (originally set to 000000). See
"Assigning a New Code or Password" on page 137.

OTHER SETTINGS

Personalize (MENU) > Settings
 > Other Settings
 > Personalize

Set several personal phone options:

Main Menu Change the order of the
main menu. See
"Reordering Menu Items" on
page 125.

Keys Change the functions of the
soft keys in the idle display.
See "Customizing a Soft
Key Function" on page 125.

Greeting	Change the text displayed when you turn on your phone.	Network/Subscription Dependent Feature
Quick Dial	Change quick dial number(s).	Network/Subscription Dependent Feature

Initial Setup (MENU) > Settings
              > Other Settings
              > Initial Setup

Set many basic phone options:

Time and Date	Set the phone's time and date.
Auto PIN Dial	Some networks require an authenticating PIN to allow outgoing calls. Use this feature to automatically dial your PIN.
Auto Redial	Use this option to turn on or turn off the automatic redial feature. When you turn on automatic redial, your phone automatically redials calls that fail due to busy network conditions. See "Using Automatic Redial" on page 28.

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Backlight	Set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power.
Zoom	Switch between three lines (**Zoom Out**) and two lines (**Zoom In**) of display text.
TTY Setup	Set your phone to operate in one of three TTY modes or return to normal **Voice** mode. See "TTY Operation" on page 126.
Scroll	Force the cursor to stop or wrap around when it reaches the top or bottom of a list in the display.
Animation	Turn animation off (to conserve battery power) or on. Animation makes your phone's menus move smoothly as you scroll up and down.
Language	Set the language for phone menus.
Battery Save	Adjust the phone's power usage characteristics to conserve power.

Network / Subscription Dependent Feature

Contrast	Adjust the contrast setting for your display.
DTMF	Your phone can send a number to the network as dual tone multi-frequency (DTMF) tones. DTMF tones are used to communicate with automated systems that require you to enter a number such as a code, password, or credit card number. Use this option to set DTMF tones on or off.
Master Reset	Reset all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer.

PRELIMINARY

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

                Note: This option *erases all
                user-entered information*
                stored in your phone's
                memory, including
                phonebook and datebook
                entries. Once you erase the
                information, it cannot be
                recovered.

Network   (MENU) > Settings
                > Other Settings
                > Network

View and adjust your phone's network
settings.

Your service provider registers your phone to a
network. You can view information about the current
network, change how your phone searches for a
network, and activate alerts that indicate when a
call is dropped or network registration changes.

Car Settings   (MENU) > Settings
                > Other Settings
                > Car Settings

Adjust hands-free car kit settings.

You can set your phone to route calls directly to the
car kit when it detects a connection, and

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automatically answer calls after two rings. See "Hands-Free Use" on page 128.

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.

Headset   MENU > Settings
             > Other Settings
             > Headset

Set your phone to automatically answer calls after two rings when connected to a headset. See "Hands-Free Use" on page 128.

Menu Feature Descriptions

Recent Calls

Viewing the Received Calls or Dialed Calls List

Your phone keeps a list of the calls you recently received and dialed, even if the calls did not connect.

Find the Feature   〈MENU〉 > Recent Calls

Press	To
1 ⌄⌃	scroll to Received Calls or Dialed Calls
2 SELECT (⊘)	select the list
3 ⌄⌃	scroll to an entry
	Note: ✓ means the call connected.
4 〈SND〉	call the entry's number
or	
VIEW (⊘)	view entry details
or	
〈MENU〉	open the Last Calls Menu to perform other procedures as described in the following list

The Last Calls Menu includes the following options:

Option	Description
Store	Create a phonebook entry with the number in the No. field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent call lists, after the highlighted number.
Send Tones	Send the number to the network as DTMF tones (for credit card or password calls).

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 $\quad$ MENU > Recent Calls
$\quad$ > Notepad

Press	To
ⓢⓝⓓ	call the number
or	
ⓜⓔⓝⓤ	open the Dialing Menu to attach a number or insert a special character
or	
STORE (⊘)	create a phonebook entry with the number in the No. field
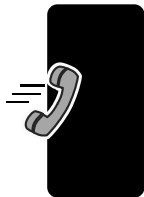
Viewing and Resetting Call Timers

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.

You can view the following network connection times:

Timer	Description
Last Call	Time spent on the last call dialed or received. You cannot reset this timer.

Timer	Description
Dialed Calls	Total time spent on dialed calls since the last time you reset this timer.
Received Calls	Total time spent on calls received since the last time you reset this timer.
All Calls	Total time spent on dialed and received calls since the last time you reset this timer.
Lifetime	Total time spent on all calls on this phone. You cannot reset this timer.

To view a call timer:

Find the Feature   (MENU) > Recent Calls
                                 > Call Times

Press	To
1 ⊜ ⊜	scroll to the timer you want\
2 SELECT (⊘)	view the recorded time

To reset the call timer:

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

Phonebook

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

To see the names stored in your phonebook, press
$\langle$MENU$\rangle$ > Phonebook from the idle display. Scroll to a name
and press VIEW ($\oslash$) to view details of the phonebook entry
as shown in the following display.

Fields in a Phonebook Entry

Type indicator
identifies
number type:
- 🖬 Work
- 🏠 Home
- 🖼 Main
- 🖩 Mobile
- 🖷 Fax
- 🖶 Pager
- ✉ Email

Voice Name indicator
indicates a recorded
voice name

Entry's **Name**

Entry's **phone
number** or
email address

Entry's speed
dial number

```
🖬 ◁)) Carlo Emrys
2154337215
Speed No.15
BACK        ☰        EDIT
```
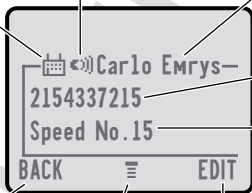
Return
to list

Press $\langle$MENU$\rangle$
to open the
**Phonebook
Menu**

Edit
entry

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

Storing a Phonebook Entry

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

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

Enter Information

Find the Feature $\text{(MENU)} >$ Phonebook
$\text{(MENU)} >$ New

Press	To
1 $\overset{\frown}{\smile}$	scroll to Phone Number or Email Address
2 SELECT ($\mathcal{O}$)	select the entry type
3 CHANGE ($\mathcal{O}$)	select Name
4 keypad keys	enter a name for the entry
5 OK ($\mathcal{O}$)	store the name
6 CHANGE ($\mathcal{O}$)	select No. or Email
7 keypad keys	enter the phone number or email address
8 OK ($\mathcal{O}$)	store the phone number or email address
9 CHANGE ($\mathcal{O}$)	select Type
	Note: This option is not available for email entries.
10 $\overset{\frown}{\smile}$	scroll to the number type

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Press	To
11 SELECT ($\mathscr{O}$)	select the number type
12 RECORD ($\mathscr{O}$)	record a voice name for the entry, if desired (see page 70)
or	
Go to step 13 if you do not want a voice name	
13 $\overset{\frown}{\smile}$	scroll to Speed No.
	The next available speed dial number is assigned to a new phonebook entry.
14 CHANGE ($\mathscr{O}$)	select Speed No. if you want to change it
15 keypad keys	enter a different speed dial number, if desired
16 OK ($\mathscr{O}$)	store the speed dial number
17 CHANGE ($\mathscr{O}$)	select Ringer ID if you want to assign a distinctive ringer alert for the phone number
	Your phone uses the alert to notify you when you receive a call from this phone number (see page 96).
18 $\overset{\frown}{\smile}$	scroll to the alert you want
19 SELECT ($\mathscr{O}$)	store the ringer ID alert

Phonebook

69
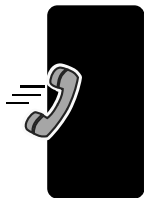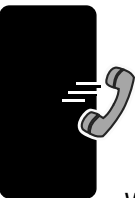
Press	To
20 SELECT (⊘)	select MORE if you want to create another entry with the same Name

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (�)	store the entry

Recording a Voice Name For a Phonebook Entry

You can record a voice name for a new or existing phonebook entry. This lets you call the phonebook entry using the voice dial feature (see page 72).

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.

Find the Feature   (MENU) > Phonebook

Do This	To
1 Press ⊜	scroll to the entry
2 Press VIEW (⊘)	view entry details
3 Press EDIT (⊘)	edit the entry
4 Press ⊜	scroll to Voice Name

Do This	To
5 Press RECORD (⊘)	begin recording
6 Press and release the voice key and say the entry's name (in two seconds)	record the voice name
7 Press and release the voice key and repeat the name	confirm the voice name
8 Press DONE (◐)	store the voice name
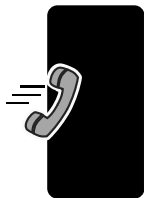
Dialing a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or one-touch dial to call a number (or send a text message to an email address) stored in your phonebook. To use speed dial, see page 31. To use one-touch dial, see page 31.

Phonebook List

To call or send email to a phonebook entry:

Find the Feature   (MENU) > Phonebook

Press	To
1 ⬒	scroll to the entry
2 (SND)	send the call (phone number) or open a new text message with the address in the To field (email address)

Voice Dial

To call a number or send an email using voice dial:

Do This	To
Press and release the voice key and say the entry's name (in two seconds).	send the call (phone number) or open a new text message (email address)

Editing a Phonebook Entry

Find the Feature   MENU > Phonebook

Press	To
1 $\hat{\heartsuit}$ $\hat{\heartsuit}$	scroll to the entry
2 VIEW ($\oslash$)	view entry details
3 EDIT ($\oslash$)	edit the entry

Edit the entry by following the procedures described in "Storing a Phonebook Entry" on page 68.

Deleting a Phonebook Entry

Find the Feature   MENU > Phonebook

Press	To
1 $\hat{\heartsuit}$ $\hat{\heartsuit}$	scroll to the entry
2 MENU	open the Phonebook Menu
3 $\hat{\heartsuit}$ $\hat{\heartsuit}$	scroll to Delete

Press	To
4 SELECT ($\oslash$)	select Delete
5 YES ($\diagdown$)	confirm the deletion
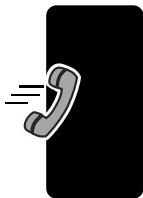
Checking Phonebook Capacity

You can see how much memory space is left for storing phonebook and datebook entries on your phone.

Find the Feature $\xrightarrow{\text{MENU}}$ > Phonebook

Press	To
1 MENU	open the Phonebook Menu
2 $\overset{\frown}{\underset{\smile}{}}$	scroll to Ph Book Capacity
3 SELECT ($\oslash$)	select Ph Book Capacity
	Your phone displays the phone memory meter.

Sorting the Phonebook List

You can sort your phonebook list by speed dial number (the standard), name, email address, or voice dial.

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

Find the Feature $\xrightarrow{\text{MENU}}$ > Phonebook

Press	To
1 MENU	open the Phonebook Menu

	Press	To
2	⌃⌄	scroll to Setup
3	SELECT (⊘)	select Setup
4	⌃⌄	scroll to Sort by
5	CHANGE (⊘)	select Sort by
6	⌃⌄	scroll to the sort order you want
7	SELECT (⊘)	select the sort order

Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. The datebook can also play a reminder alarm for specific events.

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

To schedule or review datebook events:

Find the Feature   `(MENU)` > `Datebook`

Week View

The datebook initially displays a calendar for the week. Lines or filled boxes indicate scheduled events.

Untimed event

12 hour window

Exit the datebook

Full day (12-hour) event scheduled

Days of week (press `*` or `#` to select)

One-hour event

Go to selected day

Press `(MENU)` to open the `Datebook Menu`

```
   15 NOV-21 NOV
 S  M  T  W  T  F  S

 EXIT        ≡        VIEW
```
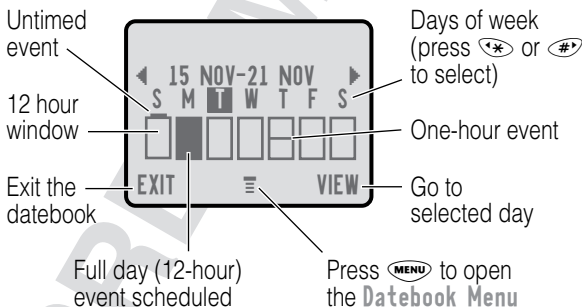
Day View

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

Untimed event ⟶

Day of week ⟶

Down scroll arrow

Alarm

Event

Return to previous screen

Show event details

BACK ≡ VIEW

THU 19-NOV

● Joe's B-day

9:00 ☎ Marie,...
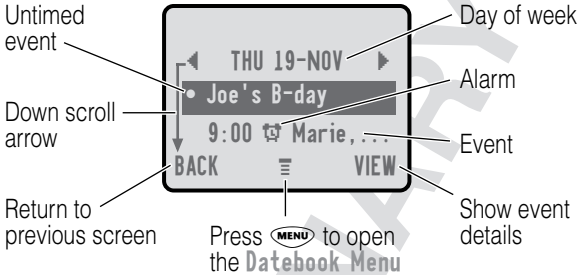
Datebook

Event View

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

Alarm ⟶

Day and time ⟶

Down scroll arrow

Event details

Return to previous screen

Edit event

BACK ≡ EDIT

☎ THU 9:00am

Marie, mtg about

new product
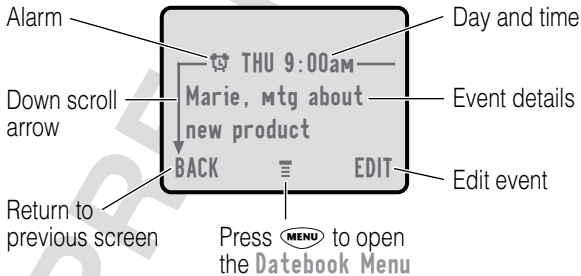
Storing a Datebook Event

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

Find the Feature MENU > Datebook > *day*
 MENU > New

Press	To
1 CHANGE (⊘)	select Title
2 keypad keys	enter a title for the event
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
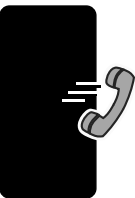
Changing Event Information

Find the Feature MENU > Datebook

Press	To
1 ✱ or #️	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

Press		To
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　　　MENU > Datebook

Press		To
1	⟨✳⟩ or ⟨#⟩	scroll to the day
2	VIEW (⟡)	display the day view
3	🔘	scroll to the event
4	MENU	open the Datebook Menu
5	🔘	scroll to Copy
6	SELECT (⟡)	copy the event
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	▸ (⟡)	move to month, day, and year
10	DONE (◌)	save the copy of the event
11	DONE (◌)	return to the day view

Deleting an Event

Find the Feature   M > Datebook

Press		**To**
1	✳ or #⃗	scroll to the day
2	VIEW (⊘)	display the day view
3	⬦	scroll to the event
4	M	open the Datebook Menu
5	⬦	scroll to Delete
6	SELECT (⊘)	select Delete
7	YES (⬡)	confirm the deletion

PRELIMINARY

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:

	Press	To
1	MENU	open the menu
2	⬍	scroll to Radio
3	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

Do This	To
Press $\genfrac{}{}{0pt}{}{\frown}{\smile}$	scroll to the next frequency
or Press and hold $\genfrac{}{}{0pt}{}{\frown}{\smile}$	scroll to the next available stereo station
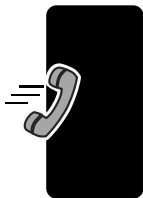
Storing a Preset

Do This	To
Press and hold a number key ($\textcircled{1}$ to $\textcircled{9}$)	assign its preset number to the tuned station

Selecting a Preset

Press	To
a number key ($\textcircled{1}$ to $\textcircled{9}$)	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.

Do This	To
Press IGNORE ($\diagdown$)	ignore the call
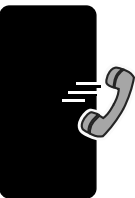
Do This	To
Press ANSWER (⟋)	answer the call
or Press the button on the FM Stereo Radio Headset microphone	**Note:** You can use the FM Stereo Radio Headset microphone to converse with the other party during a call

To end the call and resume the FM broadcast:

Do This	To
Press ⟨END⟩	end the call
or Press and hold the button on the FM Stereo Radio Headset microphone	

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 your phonebook or recent call lists.

Tip: To dial a recently called number, press ⟨SND⟩ or the button on the FM Stereo Radio Headset microphone to go to the dialed calls list (see page 63).

Messages—Voicemail

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone.

Storing Your Voicemail Number

Storing your voicemail number on your phone makes it easy for you to listen to new voicemail messages. In many cases, your service provider has already done this for you.

Find the Feature

$\quad$ MENU > Messages
$\quad$ MENU > VoiceMail Setup

Press	To
1 keypad keys	enter your voicemail number
2 OK ($\mathscr{O}$)	store the number

Your service provider additionally may store your voicemail number as phonebook entry number 1, so you can use one-touch dial to listen to your voicemail messages. If necessary, see "Storing a Phonebook Entry" on page 68 to store your voicemail number for one-touch dial access.

Receiving a Voicemail Message

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

Do This	To
Press CALL (⊘)	listen to the message

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

Listening to a Voicemail Message

Find the Feature 〈MENU〉 > Messages > VoiceMail

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

Shortcut: If your voicemail number is also stored as phonebook entry number 1, you can press and hold ①ᴼ to listen to your voicemail message(s).

Messages—Text

Text messages are brief messages that you can send and receive.

Quick notes are pre-written text messages that you can customize and send quickly.

Your text message inbox must be set up *before* you can send and receive messages. The number of messages the inbox can hold depends on the length of the messages, and the number of other messages and drafts stored on your phone.

Setting Up the Text Message Inbox

Note: In many cases, your service provider has already set up the text message inbox for you.

Find the Feature $\quad$ (MENU) > Messages
$\qquad\qquad\qquad$ (MENU) > Text Msg Setup

Press	To
1 CHANGE (✐)	change the Srvce Center No.
2 keypad keys	enter the phone number for the service that handles your outgoing messages
3 OK (✐)	store the number
4 CHANGE (✐)	change the Expire After period

Press		To
5	keypad keys	enter the expiration period—the number of days your network tries to send unreceived messages
6	OK (⊘)	store the expiration period
7	CHANGE (⊘)	change the Cleanup setting
8	⊜	scroll to the number of days you want to keep messages in the inbox, or the number of messages you want to keep
9	SELECT (⊘)	select the cleanup setting
10	CHANGE (⊘)	change the SMS Alert setting
11	⊜	select whether you want incoming message alerts turned On or Off while you are on a voice call
12	SELECT (⊘)	select the SMS Alert setting
13	DONE (◖)	save the inbox settings

Receiving a Text Message

Note: Your text message inbox must be set up before you can receive text messages (see page 85).

When you receive a text message, your phone displays the ✉ (message waiting) indicator and a `New Message` notification.

Press	To
READ (⊘)	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 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 (see page 85). If you want to save a message, you should lock it to prevent it from being deleted during cleanup.

Find the Feature   MENU > Messages
                              > Text Msgs

Press	To
1 ⌃⌄	scroll to the message
	The following indicators show message status:
	⊠ = unread
	⊡! = unread and urgent
	⌂ = read
	🔒 = read and locked
2 READ (⊘)	open the message
3 SAVE (◌)	close the message
or REPLY (⊘)	compose and send a reply
or (MENU)	open the Text Msg Menu to perform other procedures as described in the following list

The Text Msg Menu includes the following options:

Option	Description
Delete	Delete the message.
Create Message	Open a new text message.
Call Back	Call the number in the message header or embedded in the message.
Reply	Open a new text message with the sender's Reply To number or email address in the To field.
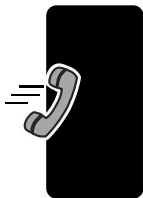
Option	Description
Forward	Open a copy of the text message with an empty To field.
Lock/Unlock	Lock or unlock the message.
Store Number	Create a phonebook entry with the embedded number in the No. field.
Delete All	Delete all inbox messages.
Store Address	Create a phonebook entry with the embedded email address in the Email field..
Setup	Open the text message inbox setup menu.

Storing Sounds From a Text Message

You can receive a text message with inserted sounds (such as music or alert tones). You can store these sounds on your phone.

Select a Sound File

Press		To
1	⌃⌄	scroll to and highlight the inserted sound file
2	(MENU)	open the Text Msg Menu
3	⌃⌄	scroll to Store
4	SELECT (⊘)	display a list of message items that can be stored

89
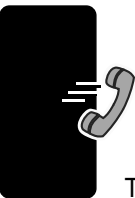
Press	To
5 ⬆⬇	scroll to File Attachment
6 SELECT (⊘)	display the sound file

Store a Sound File

To store the sound file:

Press	To
1 STORE (⊘)	view storage options
2 ⬆⬇	scroll to Store Only
3 SELECT (⊘)	store the sound to your My Tones list (see page 97)

To set the sound as an alert tone for a specific event:

Press	To
1 STORE (⊘)	view storage options
2 ⬆⬇	scroll to Set As Ring Tone
3 SELECT (⊘)	set the sound as an alert
	Your phone displays Set As Which?, and lists the available event types
4 ⬆⬇	scroll to the eventt
5 SELECT (⊘)	store the sound and set it as the event alert

Sending a Text Message

You can send a text message to one or more recipients. You can manually enter each recipient's phone number or email address, or select numbers/addresses from the phonebook or recent call lists.

Note: When you manually enter numbers and/or email addresses, you must insert a space between each entry. Press ① one time, wait for the space to appear, then enter the next number or email address.

Find the Feature   (MENU) > Messages
                            > Create Message

	Press	To
1	CHANGE (⊘)	select To
2	keypad keys	enter one or more phone numbers and/or email addresses
		Tip: Press ① to insert a space between each number/address that you enter manually.
	or	
	BROWSE (⊘)	select numbers/addresses from the phonebook or recent call lists
3	OK (⊘)	store the numbers/addresses
4	CHANGE (⊘)	select Msg
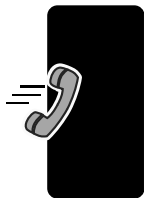
Press		To
5	keypad keys	enter the message
		Note: Message length is limited. A counter at the top of the display shows how many characters are left.
6	OK (⊘)	store the message
7	CHANGE (⊘)	select Priority
8	⊜	scroll to the priority you want
9	SELECT (⊘)	set the priority
10	CHANGE (⊘)	select Call
11	keypad keys	enter a number for the recipient to call back
12	OK (⊘)	store the number
13	CHANGE (⊘)	select Receipt
14	⊜	select whether you want the message status to be updated when the recipient opens the message
		Note: Sent messages are stored in your outbox. See page 94.
15	OK (⊘)	store your receipt preference
16	DONE (◌)	finish the message
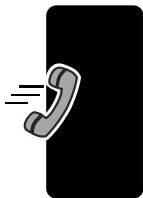
Press	To
17 YES ($\otimes$)	send the message
or	
NO ($\oslash$)	cancel the message or save it in the drafts folder

Sending a Quick Note Text Message

Quick notes are pre-written messages that you can edit and send quickly (for example, Meet me at ...). You can also create and store new quick notes.

Find the Feature   MENU > Messages
                 > Quick Notes

Press	To
1 $\textcircled{\smallfrown}$	scroll to the quick note
2 READ ($\oslash$)	read the quick note
or	
MENU	open the Quick Note Menu to perform other procedures as described in the following list

The Quick Note Menu includes the following options:

Option	Description
New	Create a new quick note.
Edit	Edit the quick note.

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Option	Description
Delete	Delete the quick note.
Send	Open a new message with the quick note in the Msg field.

Viewing the Status of Sent Text Messages

Messages that you send are stored in the outbox.

Find the Feature (MENU) > Messages > Outbox

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

» = sending in progress ☒ = delivered

✕ = sending failed △ = read by recipient

Ring Styles

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an *alert*. You can select one of five different ring styles:

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

⟩d⟨ = vibrate   ⟩$\triangle$ = ring and vibrate

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

The ring style indicator in the display shows the current ring style (see page 23).

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume.

Selecting a Ring Style

Find the Feature   ⟨MENU⟩ > Ring Styles > Style

Press	To
1 $\hat{\smile}$	scroll to the ring style
2 SELECT ($\oslash$)	select the ring style

Customizing a Ring Style

Change Style Settings

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

Find the Feature
                (MENU) > Ring Styles
                                      > *Style* Detail

Note: *Style* represents the current ring style.

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

Activate and Deactivate Ringer IDs

When ringer IDs are turned on, your phone uses distinctive ringer alerts to notify you of incoming calls or messages from specific entries stored in your phonebook. To assign a ringer ID to a phonebook entry, see page 68.

Find the Feature
                (MENU) > Ring Styles
                                      > *Style* Detail

Note: *Style* represents the current ring style.

Press	To
1 $\hat{\smile}$	scroll to Ringer IDs
2 CHANGE ($\mathscr{O}$)	change the ringer IDs setting
3 $\hat{\smile}$	scroll to On or Off
4 SELECT ($\mathscr{O}$)	select the option

Set Ringer or Keypad Volume

Find the Feature $\overline{\text{MENU}}$ > Ring Styles
                        > *Style* Detail

Note: *Style* represents the current ring style.

Press	To
1 $\hat{\smile}$	scroll to Ring Volume or Key Volume
2 $\circledast$ or $\circledast$	scroll to the desired volume
3 OK ($\mathscr{O}$)	confirm the new volume

Using My Tones

You can create and store up to 32 custom alert tones on your phone. The tones appear in the list of available alerts.

Create a Tone

Find the Feature $\overline{\text{MENU}}$ > Ring Styles
                        > My Tones

Press	To
1 ∓	scroll to [New Tone]
2 SELECT (⌀)	select [New Tone]
3 CHANGE (⌀)	select Notes
4 keypad keys	enter notes (see page 98)
5 OK (⌀)	store the notes
6 CHANGE (⌀)	select Name
7 keypad keys	enter a name for the tone
8 OK (⌀)	store the name
9 DONE (⌟)	store the tone

Enter Notes

Use the keypad keys to enter each note. Press a key multiple times to cycle through its notes or options (pitch, octave, or length). The default setting for a new tone is a quarter note in octave two.

Key	Phone Display	Description
1	1	set octave one
	2	set octave two
	3	set octave three
2	A	note A
	B	note B
	C	note C
3	D	note D
	E	note E
	F	note F

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Key	Phone Display	Description
4_{GHI}	G	note G
	R	rest
7_{PQRS}	#	sharp
	b	flat
0	q	quarter note or rest
	h	half note or rest
	w	whole note or rest

Enter a note as follows:

Task	Action
Change the octave	Set the new octave (1, 2, or 3) *before* selecting the note. The octave applies to all following notes until you change it again.
Select the note (required)	Press a keypad key.
Change a note to a sharp or flat	Enter a sharp or flat (# or b) *after* selecting the note.
	Some sharps and flats are played as standard notes. For example, B# is the same as C. Press $\lessgtr$ to scroll to valid notes when entering a new note.
Change a note's length	Set the new length (q, h, or w) *after* selecting the note. The length applies to all following notes until you change it again.
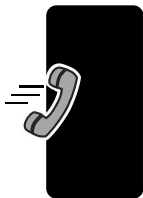
Task	Action
Add a rest	Enter one or more rests (R characters) as needed in the tone sequence. Set the length of the rest by entering a q, h, or w character *after* the rest, just as you would for a note.
Listen to a new tone as you compose it	Press MENU to enter the Compose Menu, and select Play All to play the notes you have entered.

Example

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

Press	To	Phone Display
1 ① ① ①	set octave three	3
2 2ABC 2ABC 2ABC	enter a quarter note **C**	C
3 3DEF 3DEF 7PQRS 7PQRS	enter a quarter note **E flat**	Eb
4 4GHI 4GHI 0 0	enter a **half rest**	Rh

Press	To	Phone Display
5 4_{GHI} 0 0 0	enter a whole note **G**	Gw

Play a Tone

Find the Feature   MENU > Ring Styles
                             > My Tones

Press	To
1 ⊜	scroll to the tone
2 MENU	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

Edit a Tone

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

Find the Feature   MENU > Ring Styles
                             > My Tones

Press	To
1 ⊜	scroll to the tone
2 EDIT (⊘)	open the tone details

101
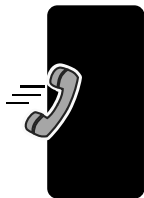
Press	To
3 ⬆⬇	scroll to the item you want to edit (**Name** or **Notes**)
4 CHANGE (⌀)	select the item
5 keypad keys	enter new text or notes
6 OK (⌀)	store the tone

Delete a Tone

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

Find the Feature   (MENU) > Ring Styles > My Tones

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

Download a Tone

You can download custom alert tones from the micro-browser application, or from a text message. To download tones from the micro-browser, see page 114. To download tones from a text message, see page 89.
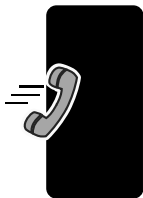
Ring Styles

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, or a datebook event that you have scheduled.

Find the Feature $\texttt{(MENU)}$ > Ring Styles
                        > *Style* Detail
                        > Reminders

Note: *Style* represents the current ring style.

Press	To
1 $\begin{array}{c}\bigcirc\\[-4pt]\bigcirc\end{array}$	scroll to Beep or Vibrate to set the reminder alert type, or Off to turn off all reminders
2 SELECT ($\oslash$)	select the reminder alert

Shortcuts

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

Standard Shortcuts

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

Do This	To
Press MENU, then press and hold MENU (within two seconds)	zoom in/out on your phone display
Press MENU ✳	lock/unlock your keypad
Press MENU #⟩	display your phone number
Press SND	go to the dialed calls list
Press END	exit the menu system

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 four inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.

	Do This	To
1	Press MENU	enter the menu system
2	Press $\overset{\frown}{\underset{\smile}{}}$	scroll to the menu item
3	Press and hold MENU	open the shortcut editor
4	Press YES ($\searrow$)	view shortcut options
5	Press CHANGE ($\oslash$)	change the keypad shortcut number
	or	
	Press DONE ($\searrow$)	select the default keypad shortcut number
	or	
	Press $\overset{\frown}{\underset{\smile}{}}$	scroll to Voice to assign a voice shortcut
6	Press RECORD ($\oslash$)	begin recording
		The phone displays Press Voice Key then say voice shortcut.
7	Press and release the voice key and say the shortcut's name (in two seconds)	record the shortcut name
8	Press and release the voice key and repeat the name	confirm the shortcut name
9	Press DONE ($\searrow$)	store the shortcut name

Shortcuts

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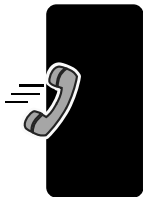
Using Shortcuts

Use a Keypad Shortcut

Press	To
1 (MENU)	open the menu
2 *the keypad shortcut number*	go to the menu item or perform the menu action

Select a Shortcut From the List

Find the Feature   (MENU) > Shortcuts
> *the shortcut you want*

Use a Voice Shortcut

Do This	To
1 Press (MENU)	open the menu
2 Press and release the voice key and say the shortcut's name (in two seconds)	go to the menu item or perform the menu action

Voice Notes

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

Recording a Voice Note

Use this procedure to record a voice note from the idle display, or to record a phone call in progress. Your phone plays an alert tone to notify the other party that the call is being recorded.
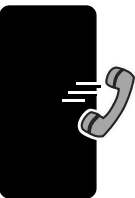
Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.

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.

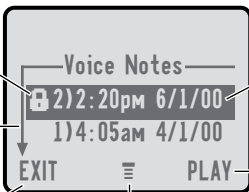|	Do This	Result
1	Press and hold the voice key.	The phone sounds an alert tone and begins recording.
2	Speak your voice note while continuing to hold the voice key.	The phone records the voice note.
3	Release the voice key to stop recording.	The phone displays the voice note number and total recording time.

Viewing the Voice Notes List

Find the Feature   `MENU` > Voice Notes

Locked voice note

Time/date recorded

Down scroll arrow

```
           ──Voice Notes──
         🔒2)2:20pm 6/1/00
           1)4:05am 4/1/00
         EXIT      ≡      PLAY
```

Play the highlighted voice note

Return to previous screen

Press `MENU` to open the Voice Notes Menu

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Playing a Voice Note

Find the Feature   M(MENU) > Voice Notes

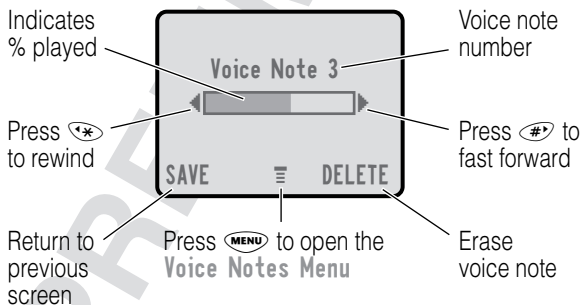| Press	To
1 ⌃⌄	scroll to the voice note
2 PLAY (⬭)	play the voice note

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 while the voice note plays.

Indicates % played

Press ⧆ to rewind

Voice Note 3

◀ ▶

SAVE   ☰   DELETE

Return to previous screen

Press M(MENU) to open the Voice Notes Menu

Voice note number

Press ⧆ to fast forward

Erase voice note

Voice Note Controls

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

Raise or lower playback volume of voice note.

Stop playback and return to voice notes list.

Stop playback and scroll up/down to next voice note.

Rewind three seconds, resume playing.

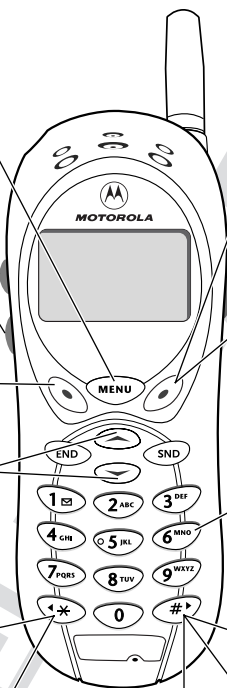Press and hold to rewind to the beginning.

If voice note is unlocked, stop playback and display **Delete Voice Note?**

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

Press any number to alternately stop and start playback.

Fast forward three seconds, resume playing.

Press and hold to fast forward to end.

When playback is complete, press to restart.

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Locking and Unlocking a Voice Note

Lock a voice note to prevent it from being deleted. You must unlock a voice note to delete it.
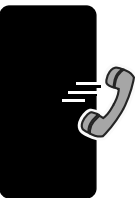
Find the Feature   MENU > Voice Notes

Press		To
1	⬆⬇	scroll to the voice note
2	MENU	open the Voice Notes Menu
3	⬆⬇	scroll to Lock or Unlock
4	SELECT (⊘)	lock or unlock the voice note

To lock or unlock a voice note during playback:

Press		To
1	MENU	open the Voice Notes Menu
2	⬆⬇	scroll to Lock or Unlock
3	SELECT (⊘)	lock or unlock the voice note

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

Deleting a Voice Note

Find the Feature   `MENU` > `Voice Notes`

Press	To
1 ⌃⌄	scroll to the voice note you want to delete
2 `MENU`	open the `Voice Notes Menu`
3 ⌃⌄	scroll to `Delete` or `Delete All`
4 `SELECT (⊘)`	select the highlighted option
5 `YES (◌)`	confirm the deletion

Notes:

- Press `NO (⊘)` to cancel deletion.

- You cannot delete a locked voice note.

- You cannot recover a deleted voice note.

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 $\overset{\text{MENU}}{}$ > Browser

Press	To
1 $\overset{\frown}{\smile}$	scroll to a bookmark, service, or application
2 SELECT ($\mathscr{O}$)	select the item

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

Interacting With Web Pages

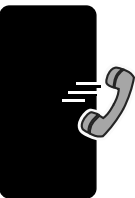| Press	To
$\textcircled{\scriptsize \vee}$ $\textcircled{\scriptsize \wedge}$	scroll through text, or highlight a selectable item
SELECT ($\oslash$)	select the highlighted item
$\textcircled{\scriptsize SND}$	call the highlighted phone number from the micro-browser
keypad keys, followed by OK ($\oslash$)	enter information Press $\textcircled{\scriptsize *}$ to delete one letter at a time if you make a mistake.
$\textcircled{\scriptsize *}$	go back to the previous page
$\textcircled{\scriptsize MENU}$	open the Browser Menu

Downloading a Sound File

You can use the micro-browser to download sound files onto your phone.

To download a sound file from a Web page, select its link. The sound begins to play when downloading is complete.

Store the Sound File

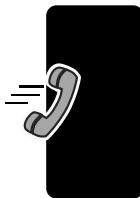| Press	To
1 STORE ($\oslash$)	view storage options
2 $\textcircled{\scriptsize \vee}$ $\textcircled{\scriptsize \wedge}$	scroll to Store Only

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Press	To
3 SELECT ($\oslash$)	store the sound
	Your phone adds the sound to the My Tones list.

Set the Sound File As An Alert

You can use the sound as an alert tone to notify you of an incoming call or other event.

Press	To
1 STORE ($\oslash$)	view storage options
2 $\overset{\frown}{\smile}$	scroll to Set As Ring Tone
3 SELECT ($\oslash$)	set the sound as an alert
4 $\overset{\frown}{\smile}$	scroll to the event
5 SELECT ($\oslash$)	store the sound and set it as the event alert
	The event alert setting is saved to the current ring style

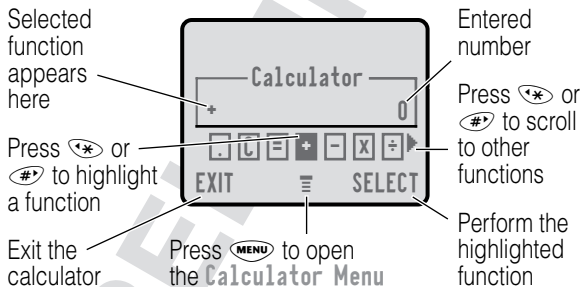For more information about using sounds and alert tones, see page 97.

Calculator

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

Calculating Numbers

Press		**To**
1	number keys	enter a number
2	⟨⁕⟩ or ⟨#⟩	highlight a calculator function
3	SELECT (⊘)	perform the function

Selected function appears here

— Calculator —

+   0

Entered number

Press ⟨⁕⟩ or ⟨#⟩ to scroll to other functions

Press ⟨⁕⟩ or ⟨#⟩ to highlight a function

EXIT   ≡   SELECT

Perform the highlighted function

Exit the calculator

Press ⟨MENU⟩ to open the Calculator Menu

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The calculator can perform the following functions:

Function	Description
.	Insert a decimal point
C	Clear the calculation
CE	Clear entry (replaces C when you enter subsequent values in a calculation)
=	Calculate the result
+	Add
-	Subtract
x	Multiply
÷	Divide
%	Divide the displayed value by 100
±	Change the entry's sign (positive/negative)
$	Calculate the exchange rate
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

Calculator

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Converting Currency

The currency converter works just like the calculator, but uses the **$** (currency) function:

Find the Feature   (MENU) > Calculator
                         (MENU) > Exchange Rate

	Press	To
1	number keys	enter the exchange rate
2	OK (⌀)	store the exchange rate
3	number keys	enter the amount to convert (amount to multiply by the exchange rate)
4	⟨⁕⟩ or ⟨#⟩	highlight the **$** function
5	SELECT (⌀)	perform the conversion

Games

You can play games with your phone between phone calls. An incoming call, message, alarm, or alert automatically ends the game.

Playing a Game

Find the Feature   (MENU) > Games

Press	To
1 ⬆⬇	scroll to a game
2 SELECT (⊘)	start the game

When the game is over:

Press	To
NEW (⊘) or YES (⊘)	start another session of the same game
BACK (⬉) or NO (⬉)	end the game session

Game Options

Press (MENU) to select the following options during a game:

Option	Description
Game Sounds	Switch game sounds on/off.
New Game	Start a new game session.

Option	Description
Key Configuration	Assign game functions to different keypad keys.
Help	Review the goal of the game.

Blackjack

In this classic card game, you play against the dealer to see who can get closer to 21 points without going over.

Games

Rules of the Game

- You start a new game with 100 credits. You must bet from 1-10 credits for each hand you play.

- Press DEAL (⌀) to start a new hand.

- The first card is dealt to the dealer. The dealer's cards are shown at the top of the display, and your cards are shown at the bottom.

- Face cards count as 10 points. Number cards count as the points shown on their face.

- An ace counts as 11 points, unless that would put you over 21 points. Otherwise, an ace is counted as 1 point. An ace that is originally counted as 11 may later be counted as 1 if it will bring your total under or equal to 21 points.

- An initial deal of an ace and a card with a face value of 10 points counts as exactly 21 points or Blackjack.

- Blackjack automatically wins against any other hand that totals 21 points.

- If you score more than 21 points, you go "bust" or lose.

- If you get five cards without going bust, you win.

- If you and the dealer have the same score, the dealer wins.

- You can ask for a "hit" or another card as long as you do not go bust.

- As long as the dealer's total is less than 17 points, the dealer must continue to take a hit.

How to Play
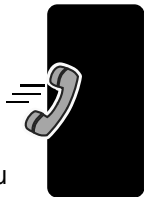
When the game begins, you are dealt two cards.

Press	To
STAY (✎)	see the results of the hand
HIT ME (✐)	request another card

Press (MENU) to select the following options:

Option	Description
Insurance	If the dealer's first card is an ace, pay half of your wager to insure against the dealer winning with Blackjack.
Double Down	Double your initial wager after receiving your first two cards.
Choose Deck	Choose the deck image.

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Falling Numbers

Score points by pressing the corresponding number key for numbers as they "fall" down the display.

Rules of the Game

- If a number reaches the bottom of the display or if you press an incorrect number key, you score one miss.

- The game is over when you score three misses.

- The game has five levels. When you complete a level, play continues automatically at the next level.

- You earn a bonus if you finish a level without a miss.

How to Play

When the game begins, numbers start falling from the upper portion of the display. Press the corresponding number key to eliminate a falling number before it reaches the bottom of the display.

Press MENU to set the following options:

Option	Description
Level	Choose the starting level of play.
Top Scores	View the top five scores.

Video Poker

Turn 100 credits into 9,999+ credits by making the best possible poker hands.

Rules of the Game

- You start a new game with 100 credits. You must bet from 1-10 credits for each hand you play.

- You are dealt five cards face up, and have one opportunity to trade in cards (zero to five) for new ones.

- A winning hand earns credits as listed in the Awards Table.

- Your credit total is saved when you exit the game. The next time you play, you start with the number of credits that remain from the previous session.

- The game is over when you lose all of your credits.

How to Play

Place your initial bet or change your bet (from 1-10 credits) and then:

Press	To
DEAL ($\oslash$)	start a new hand
$\widehat{4_{GHI}}$	select the card to the left
$\widehat{6_{MNO}}$	select the card to the right
$\widehat{5_{JKL}}$ or DISCARD ($\searrow$)	discard (cannot be undone)
DONE ($\oslash$)	remove discarded cards and deal replacements

Press $\langle$MENU$\rangle$ to select the following options:

Option	Description
Change Bet	Change the amount of your bet.
Choose Deck	Choose the deck image.
Awards Table	View the list of odds/payouts for each winning hand.

Adjusting Your Settings

Reordering Menu Items

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

Find the Feature MENU > Settings
> Other Settings
> Personalize
> Main Menu

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

Customizing a Soft Key Function

You can relabel the soft keys (◌ and ⌀) to access different menu items from the idle display.

Find the Feature MENU > Settings
> Other Settings
> Personalize > Keys

Press	To
1 $\hat{\smile}$ $\hat{\smile}$	scroll to `Left` or `Right`
2 CHANGE ($\oslash$)	open the key editor
3 $\hat{\smile}$ $\hat{\smile}$	scroll to the new key function
4 CHANGE ($\oslash$)	confirm the new function

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.

Set TTY Mode

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

Find the Feature   (MENU) > Settings
> Other Settings
> Initial Setup
> TTY Setup

Press	To
1 $\hat{\smile}$ $\hat{\smile}$	scroll to `TTY Setup`
2 CHANGE ($\oslash$)	change the TTY mode
3 $\hat{\smile}$ $\hat{\smile}$	scroll to the TTY mode
4 SELECT ($\oslash$)	select the TTY mode

The TTY Setup menu includes the following options:

Option	Description
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
Voice	Return to normal voice mode

When your phone is in a TTY mode, the international TTY symbol and the mode setting are shown in the idle display. You can press TTYMODE (✎) to change the mode setting.

Switch to TTY Mode During a Voice Call

Press		To
1	(MENU)	open the Call menu
2	⇧⇩	scroll to TTY Setup
3	SELECT (✐)	display the TTY Setup menu
4	⇧⇩	scroll to the TTY mode
5	SELECT (✐)	select the TTY mode

Return to Voice Mode

To return to normal voice mode, select Voice from the TTY Setup menu as described on page 126.

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Hands-Free Use

You can purchase an optional Motorola Original™ hands-free car kit 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.

Automatic Answer

You can set your phone to automatically answer calls after two rings when connected to a car kit or headset.

Find the Feature   MENU > Settings
                              > Other Settings

Press	To
1 $\hat{\ominus}$	scroll to Car Settings or Headset
2 SELECT ($\oslash$)	select the feature
3 $\hat{\ominus}$	scroll to Auto Answer
4 CHANGE ($\oslash$)	select Auto Answer
5 $\hat{\ominus}$	scroll to On or Off
6 SELECT ($\oslash$)	confirm the setting

Adjusting Your Settings

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Automatic Hands-Free

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

Find the Feature   MENU > Settings
                              > Other Settings
                              > Car Settings
                              > Auto Handsfree

Press	To
1 ⌃⌄	scroll to On or Off
2 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 specified time period 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   MENU > Settings
                              > Other Settings
                              > Car Settings
                              > Power-Off Delay

Press	To
1 ⌃⌄	scroll to the time delay
2 SELECT (⌀)	confirm your selection

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
　　　　　　　　`(MENU) > Settings`
　　　　　　　　　　　　`> Other Settings`
　　　　　　　　　　　　`> Car Settings`
　　　　　　　　　　　　`> Charger Time`

Press	To
1 　 ⬡⬡	scroll to the charge time
2 　 SELECT (⊘)	confirm your selection

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Data Calls

A Motorola Original™ data kit lets you transfer data between your phone and a computer or other external device. You can:

- use your phone as a modem to connect to the Internet.

- use your phone to send and receive data calls on your computer or hand-held device.

Connecting Your Phone to an External Device

Connect your phone to a computer or hand-held device using a serial cable or a USB cable.

Note: Not all devices are compatible with serial cable or USB cable connections. Check your external device for specifications.

Set Up a Cable Connection

Attach a serial cable or Motorola Original USB cable to the phone and external device as follows. Your phone plays a short tone when the cable connects.

Note: Check your computer or hand-held device to determine the type of cable you need.

Attaching a Serial Cable

Use the interchangeable head on the Motorola
Multi-Connect Serial Cable to connect a computer,
Palm III device, or Palm V device to your phone.

Do This

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.
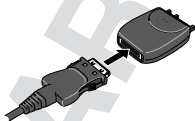
2 With the Motorola
logo and the
phone both facing
you, plug the
detachable head
into the phone's
accessory
connector port.

3 Plug the other end of the cable into the serial
interface connection on the external device and
tighten the screws.

Attaching a USB Cable

Do This
4   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.
5   Plug the other end—the USB connection—into the USB port on the external device.

Install the Software

Install the software from the CD-ROM that comes with your Motorola Original data kit. See the data kit's user guide for more information.

Sending a Data Call

You can connect your phone to a computer or hand-held device to send data from the connected device.

Use this feature to transfer data from your computer onto another device, and to synchronize phonebook and datebook information between your phone, computer, and/or hand-held device.

Connect your phone as described on page 131 and do the following:

	Do This	To
1	Check the phone	make sure that the phone is connected and powered on
2	Open the application on your computer	place the call through the application (such as dial-up-networking)
		Note: You cannot dial data numbers through your phone's keypad. You must dial them through your computer.
3	End the call from the connected device	close the call and connection when the transfer is complete

Receiving a Data Call

You can connect your phone to a computer or hand-held device to receive data.

Use this feature to transfer data to your computer from another device.

Set Up Your Phone

Find the Feature
    M > Settings
         > Connection
         > Incoming Call
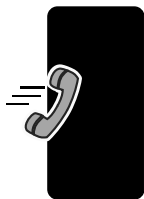
	Do This	To
1	Press CHANGE (⌀)	select Next Call
2	Press ⬍	scroll to Data In Only
3	Press SELECT (⌀)	set the call format
4	Connect your phone to the device	enable the data transfer

Note: You cannot answer incoming voice calls when your phone is in data mode. Any voice calls you receive are treated as unanswered calls. To return a voice call, reset your phone to voice mode as described on page 136.

Transfer the Data

Your phone notifies you when the data call arrives, and transfers the call to the connected device. You must use the application running on the connected device to answer the call.

End the Data Connection

When the data transfer is complete:

Do This	To
End the call from the connected device	close the connection

Reset Normal Voice Operation

After making a data call, you must reset your phone to resume normal voice operations. You cannot receive voice calls when your phone is in data mode.

	Do This	To
1	Press CHANGE (⊘)	select Next Call
2	Press ⬥	scroll to Normal
3	Press SELECT (⊘)	reset your phone

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

Data Calls

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Security

Assigning a New Code or Password

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

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

Notes:

- Your service provider may retain your phone's security code for customer service purposes. In this case, you will not be able to use phone features that require you to enter the security code.

- If the unlock code is the only code you can change, the New Passwords menu is not available. In this case, change the unlock code by selecting: (MENU) > Settings > Security > Phone Lock > Unlock Code.

To change a code or password:

Find the Feature (MENU) > Settings > Security > New Passwords

	Press	To
1	⊖	scroll to the code or password
2	CHANGE (⊘)	select the code or password
3	keypad keys	enter your old code
4	OK (⊘)	submit your old code
5	keypad keys	enter the new code
6	OK (⊘)	assign the new code
7	keypad keys	re-enter the new code
8	OK (⊘)	confirm the new code

If You Forget a Code or Password

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

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

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

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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 30.

Lock Your Phone Manually

Find the Feature   (MENU) > Settings > Security
                               > Phone Lock
                               > Lock Now

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

Set Your Phone to Lock Automatically

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

Find the Feature   (MENU) > Settings > Security
                               > Phone Lock
                               > Automatic Lock > On

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

Unlock Your Phone

At the Enter Unlock Code prompt:

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

Locking and Unlocking Your Keypad

You can lock your phone keypad to prevent accidental keypresses (for example, when carrying your phone in a purse or pocket).

Press	To
MENU ⟨*⟩	lock or unlock your keypad

Note: Incoming calls and messages unlock the keypad.

Restricting Calls

You can stop all incoming and/or outgoing calls, or you can restrict them to the numbers stored in your phonebook.

Notes:

- You can make emergency calls when outgoing calls are restricted.

- Your phone still receives incoming text messages when incoming calls are restricted.

- When you restrict incoming calls to numbers stored in the phonebook, a valid incoming call may be restricted if caller ID information for the call is not available from the network.
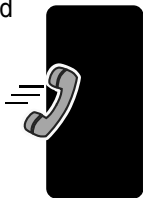
Find the Feature   MENU > Settings > Security
> Restrict Calls

Press	To
1 keypad keys	enter your unlock code
2 OK (⊘)	open the restrict calls menu
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 Phonebook
7 SELECT (⊘)	select the allowed calls

Tip: The phonebook is not locked when you restrict outgoing calls to numbers stored in the phonebook. To prevent a user from adding (and then calling) a new phonebook entry, you may want to lock the phonebook. See the "Lock Application" item on page 56.

Activating Talk Secure

Your phone can attempt to send your calls using a high-security connection, to prevent others from intercepting them. For more information, see "Talk Secure" on page 29.

Find the Feature $\overline{\text{MENU}}$ > Settings > Security
                       > Talk Secure
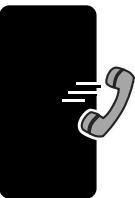
Press	To
1 $\overset{\frown}{\smile}$	scroll to Preferred or Off
2 SELECT ($\oslash$)	switch talk secure on or off

PRELIMINARY

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 (United States) or 1-800-461-4575 (Canada).
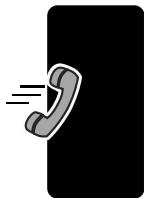
Question	Answer
Is your phone set up correctly?	Press (MENU) (#). If you do not see your phone number, contact your service provider.
Is your battery charged? Do you see ▭ in the display?	The battery level indicator should have at least one segment showing (▣). If it does not, recharge your battery.
Does the handset have a signal? Do you see ▯ in the display?	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.
Is the other party unable to hear you?	Your phone may be 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.

Question	Answer
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 "If You Forget a Code or Password" on page 138.
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 audible alert. (This could take several seconds.) If nothing happens, check that a charged battery is installed.

Problem	Solution
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 "If You Forget a Code or Password" on page 138.
My phone does not ring.	If you see 〄 or 〘〙 in the display, then the ringer is turned off. See "Ring Styles" on page 95.
	Also, the ringer may be set to Silent even though your phone is set to an audible ring style. See "Customizing a Ring Style" on page 96.
My phone rings even though I selected the Silent **(or** Vibrate**) ring style.**	The ringer may be set to play a tone even though your phone is set to a silent ring style. See "Customizing a Ring Style" on page 96.

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 you see the idle display before making a call.
I cannot send/ receive calls.	Make sure that you have a phone signal (see the "Signal Strength Indicator" item on page 24). 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 (`MENU` > `Settings` > `Security`).
My phone has poor reception and drops calls.	Make sure that your antenna is not bent or damaged.
	Also, make sure you have a phone signal (see the "Signal Strength Indicator" item on page 24). 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 inbox.	Before you can use text or information services messages, you must set up the appropriate inbox. See "Setting Up the Text Message Inbox" on page 85.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received:
	(MENU) > Recent Calls > Received Calls **or** Dialed Calls

Problem	Solution
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be On or Off. If you have trouble sending numbers, check your DTMF setting. 1 From the idle display, press: (MENU) > Settings > Other Settings > Initial Setup > DTMF 2 Press ⇕ to scroll to On. 3 Press SELECT (⊘) to select it.
My phone's display is too dark.	Use the Contrast feature (see page 60) to change the level of contrast in your phone display. You can also use the Backlight feature (see page 59) to change the length of time that the display backlight stays on.
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 your battery life, see "Battery Use" on page 26.

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Problem	Solution
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 "TTY Operation" on page 126.
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.

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Problem	Solution
My phone beeped when I attached the data cable, but my data applications don't work.	You must be in an area with digital coverage. Check your phone's display for the digital signal indicator (⒟). Some wireless networks may not support data transmission. If you see the digital indicator, but you are roaming on an unfamiliar network, this may be the case. Also, remember that data 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.

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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 (D). 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.

Programming Instructions

Follow this procedure if you need to program your phone's phone number(s).

Note: Programming is normally done by a trained technician at the site of purchase. Users should not make changes other than ones in the following procedure.

Before programming, ask your service provider for your:

- Carrier System ID (a one- to five-digit number)

- 10-digit MIN (Mobile Identification Number)

	Press	To
1	$\#$, the Carrier System ID number, $\#$, $*$, SND	enter programming mode
2	0, 0, 0, 0, 0, 0 (This is the security code that is in the phone when it is shipped from the factory.)	enter the security code
3	OK ($\oslash$)	submit the security code
4	$\overset{\wedge}{\underset{\vee}{}}$	scroll to MIN
5	CHANGE ($\oslash$)	open the MIN display

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Press	To
6 keypad keys for the 10-digit MIN	enter the new MIN
7 OK ($\oslash$)	store the new MIN
8 DONE ($\searrow$)	exit programming mode

PRELIMINARY

Specific Absorption Rate Data

This model 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 U.S. Federal Communications Commission for the United States and by Health Canada for Canada. 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 Health Canada is 1.6 W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are

to a wireless base station antenna, 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 _____ W/kg^2, and when worn on the body, as described in this user guide, is _____ W/kg.^{2} (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements). 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.

The FCC and Industry Canada have granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as being in compliance with the FCC and Health Canada RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of:

http://www.fcc.gov/oet/fccid

after searching on FCC ID _____. You may also refer to Motorola's Web site:

http://www.motorola.com/rfhealth

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. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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Specific Absorption Rate Data

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The U.S. Food and Drug Administration's Center for Devices and Radiological Health Consumer Update on Mobile Phones

FDA has been receiving inquiries about the safety of mobile phones, including cellular phones and PCS phones. The following summarizes what is known—and what remains unknown—about whether these products can pose a hazard to health, and what can be done to minimize any potential risk. This information may be used to respond to questions.

Why the concern?

Mobile phones emit low levels of radio frequency energy (i.e., radio frequency radiation) in the microwave range while being used. They also emit very low levels of radio frequency energy (RF), considered non-significant, when in the stand-by mode. It is well known that high levels of RF can produce biological damage through heating effects (this is how your microwave oven is able to cook food). However, it is not known whether, to what extent, or through what mechanism, lower levels of RF might cause adverse health effects as well. Although some research has been done to address these questions, no clear picture of the biological effects of this type of radiation has emerged to date. Thus, the available science does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

Questions have been raised about hand-held mobile phones, the kind that have a built-in antenna that is positioned close to the user's head during normal telephone conversation. These types of mobile phones are of concern because of the short distance between the phone's antenna—the primary source of the RF—and the person's head. The exposure to RF from mobile phones in which the antenna is located at greater distances from the user (on the outside of a car, for example) is drastically lower than that from hand-held phones, because a person's RF exposure decreases rapidly with distance from the source. The safety of so-called "cordless phones," which have a base unit connected to the telephone wiring in a house and which operate at far lower power levels and frequencies, has not been questioned.

How much evidence is there that hand-held mobile phones might be harmful?

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about

whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously—up to 22 hours per day.

For the past five years in the United States, the mobile phone industry has supported research into the safety of mobile phones. This research has resulted in two findings in particular that merit additional study:

1 In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

   When 20 types of glioma were considered separately, however, an association was found between mobile phone use and one rare type of glioma, neuroepithelliomatous tumors. It is possible with multiple comparisons of the same sample that this association occurred by chance. Moreover, the risk did not increase with how often the mobile phone was used, or the length of the calls. In fact, the risk actually decreased with cumulative hours of mobile phone use. Most cancer causing agents increase risk with increased exposure. An ongoing study of brain

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cancers by the National Cancer Institute is expected to bear on the accuracy and repeatability of these results.[1]

2   Researchers conducted a large battery of laboratory tests to assess the effects of exposure to mobile phone RF on genetic material. These included tests for several kinds of abnormalities, including mutations, chromosomal aberrations, DNA strand breaks, and structural changes in the genetic material of blood cells called lymphocytes. None of the tests showed any effect of the RF except for the micronucleus assay, which detects structural effects on the genetic material. The cells in this assay showed changes after exposure to simulated cell phone radiation, but only after 24 hours of exposure. It is possible that exposing the test cells to radiation for this long resulted in heating. Since this assay is known to be sensitive to heating, heat alone could have caused the abnormalities to occur. The data already in the literature on the response of the micronucleus assay to RF are conflicting. Thus, follow-up research is necessary.[2]

FDA is currently working with government, industry, and academic groups to ensure the proper follow-up to these industry-funded research findings. Collaboration with the Cellular Telecommunications Industry Association (CTIA) in particular is expected to lead to FDA providing research recommendations and scientific oversight of new CTIA-funded research based on such recommendations.

Two other studies of interest have been reported recently in the literature:

1   Two groups of 18 people were exposed to simulated mobile phone signals under laboratory conditions while

they performed cognitive function tests. There were no changes in the subjects' ability to recall words, numbers, or pictures, or in their spatial memory, but they were able to make choices more quickly in one visual test when they were exposed to simulated mobile phone signals. This was the only change noted among more than 20 variables compared.[3]

2 In a study of 209 brain tumor cases and 425 matched controls, there was no increased risk of brain tumors associated with mobile phone use. When tumors did exist in certain locations, however, they were more likely to be on the side of the head where the mobile phone was used.

Because this occurred in only a small number of cases, the increased likelihood was too small to be statistically significant.[4]

In summary, we do not have enough information at this point to assure the public that there are, or are not, any low incident health problems associated with use of mobile phones. FDA continues to work with all parties, including other federal agencies and industry, to assure that research is undertaken to provide the necessary answers to the outstanding questions about the safety of mobile phones.

What is known about cases of human cancer that have been reported in users of hand-held mobile phones?

Some people who have used mobile phones have been diagnosed with brain cancer. But it is important to understand that this type of cancer also occurs among people who have not used mobile phones. In fact, brain cancer occurs in the

U.S. population at a rate of about 6 new cases per 100,000 people each year. At that rate, assuming 80 million users of mobile phones (a number increasing at a rate of about 1 million per month), about 4800 cases of brain cancer would be expected each year among those 80 million people, whether or not they used their phones. Thus it is not possible to tell whether any individual's cancer arose because of the phone, or whether it would have happened anyway. A key question is whether the risk of getting a particular form of cancer is greater among people who use mobile phones than among the rest of the population. One way to answer that question is to compare the usage of mobile phones among people with brain cancer with the use of mobile phones among appropriately matched people without brain cancer. This is called a case-control study. The current case-control study of brain cancers by the National Cancer Institute, as well as the follow-up research to be sponsored by industry, will begin to generate this type of information.

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

Under the law, FDA does not review the safety of radiation-emitting consumer products such as mobile phones before marketing, as it does with new drugs or medical devices. However, the agency has authority to take action if mobile phones are shown to emit radiation at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of mobile phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions at this time, FDA has urged the mobile phone industry to take a number of steps to assure public safety. The agency has recommended that the industry:

- support needed research into possible biological effects of RF of the type emitted by mobile phones

- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function

- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health

At the same time, FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of mobile phone safety to ensure a coordinated effort at the federal level. These agencies are:

- National Institute for Occupational Safety and Health

- Environmental Protection Agency

- Federal Communications Commission

- Occupational Health and Safety Administration

- National Telecommunications and Information Administration

The National Institutes of Health also participates in this group.

In the absence of conclusive information about any possible risk, what can concerned individuals do?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if people are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

People who must conduct extended conversations in their cars every day could switch to a type of mobile phone that places more distance between their bodies and the source of the RF, since the exposure level drops off dramatically with distance. For example, they could switch to:

- a mobile phone in which the antenna is located outside the vehicle

- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package

- a headset with a remote antenna to a mobile phone carried at the waist

Again, the scientific data do not demonstrate that mobile phones are harmful. But if people are concerned about the radio frequency energy from these products, taking the simple precautions outlined above can reduce any possible risk.

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Where can I find additional information?

For additional information, see the following Web sites:

Federal Communications Commission (FCC) RF Safety Program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"): http://www.fcc.gov/oet/rfsafety

World Health Organization (WHO) International Commission on Non-Ionizing Radiation Protection (select Qs & As): http://www.who.int/emf

United Kingdom, National Radiological Protection Board: http://www.nrpb.org.uk

Cellular Telecommunications Industry Association (CTIA): http://www.wow-com.com

U.S. Food and Drug Administration (FDA) Center for Devices and Radiological Health: http://www.fda.gov/cdrh/consumer/

1. Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium;1999 June 20; Long Beach, California.

2. Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, D.C.; and personal communication, unpublished results.

3. Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. Int. J. Radiat. Biol., April 8, 1999.

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4. Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. Int. J. Oncol., 15: 113-116, 1999.

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Additional Health and Safety Information

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Warranty

Limited Warranty for Motorola Personal Communications Products and Accessories Purchased in the United States and Canada

I. What This Warranty Covers

Defects in materials and workmanship in the following new **"Products"** manufactured, sold or certified by Motorola, with which this limited warranty is included in/on the package: (a) wireless cellular telephones, pagers and two-way radios that operate via "Personal Radio Service" (such as Family Radio Service and General Mobile Radio Service), together with software imbedded in any of these products, and (b) subject to the following exceptions, accessories or software sold for use with these products.

- Battery Exception. This limited warranty extends only to batteries in which the fully-charged capacity falls below 80% of rated capacity and batteries that leak;

- Software Exceptions. This limited warranty extends only to physical defects in the media (such as CD-ROM) that tangibly embodies each copy of any software sold and/or certified by Motorola for use with Products. Software that is not tangibly embodied in media and that is purchased separately from Products (such as software that is downloaded from the internet) comes **"as is" and without warranty**.

II. What the Period of Coverage Is

Subject to the following exceptions, one year from the date the Products are purchased by the first end-user:

- 90-Day Warranty Exception. The warranty is for 90 days for: (a) any software tangibly embodied in media or (b) any accessories for two-way radios that are covered by this warranty, as described in Section I, above.

- Limited Lifetime Warranty Exception. The warranty is a limited lifetime warranty for the lifetime of ownership by the first end-user of the following products, **only**: (a) decorative covers, including bezel, PhoneWrap™ or case (any model); and (b) ear buds and boom headsets that transmit mono sound through a wire connection (this does **not** include ear buds or boom headsets that either transmit stereo sound or that are wireless, or both).

- Repair/Replacement Exception. The warranty is for the balance of the original warranty or for 90 days from the date returned and delivered to the first end-user, whichever is longer.

III. Who is Covered

This warranty extends to you only if you are the first end-user purchaser.

IV. What We Will Do to Correct Warranty Problems

At no charge to you, we have the option to repair or replace the Products that do not conform to the warranty, or to refund the Products' purchase price. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products or parts. No software updates are provided.

V. How to Get Warranty Service

PLEASE CALL US — DO NOT SHIP:

USA	**Canada**
Cellular 1-800-331-6456	**All Products**
Paging 1-800-548-9954	**1-800-461-4575**
FRS Radios 1-800-353-2729	**TTY (Text Telephone)**
TTY (Text Telephone)	**1-888-390-6456**
1-888-390-6456	

Accessories and software—call the number designated for the product with which they are used.

You will receive instructions on how to ship the Products to Motorola or our designated resource. If instructed to ship the Products, you must ship them with freight, duties and insurance prepaid. Regardless of where you are instructed to return the Products, 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 this Product requires subscription service); (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number. If requested, you must also return all detachable parts such as antennas, batteries and chargers. RETAIN YOUR ORIGINAL PROOF OF PURCHASE.

For Products we ask you ship to us, we will ship repaired or replacement Products at our expense for the freight and insurance, but at your expense for any duties. If additional information is needed, please contact us at the telephone number listed above.

VI. What This Warranty Does Not Cover

- **Products that are operated in combination with ancillary or peripheral equipment or software not furnished or otherwise certified by Motorola for use with the Products ("ancillary equipment"), or any damage to the Products or ancillary equipment as a result of such use. Among other things, "ancillary equipment" includes batteries, chargers, adaptors, and power supplies not manufactured or supplied by Motorola. Any of these voids the warranty.**

- Someone other than Motorola (or its authorized service centers) tests, adjusts, installs, maintains, alters, modifies or services the Products in any way. Any of these voids the warranty.

- Rechargeable batteries that: (a) are charged by other than the Motorola-approved battery charger specified for charging such batteries; (b) have any broken seals or show evidence of tampering; (c) are used in equipment other than the Product for which they are specified; or (d) are charged and stored at temperatures greater than 60 degrees centigrade. Any of these voids the warranty.

- Products that have: (a) serial numbers or date tags that have been removed, altered or obliterated; (b) board serial numbers that do not match each other, or board serial numbers that do not match the housing; or (c) nonconforming or non-Motorola housings or parts. Any of these voids the warranty.

- Defects or damage that result from: (a) use of the Products in a manner that is not normal or customary; (b) improper operation or misuse; (c) accident or neglect such as dropping the Products onto hard surfaces; (d) contact with water, rain, extreme humidity or heavy perspiration; (e) contact with sand, dirt or the like; or (f) contact with extreme heat, or spills of food or liquid.

- Physical damage to the surface of the Products, including scratches, cracks or other damage to a display screen, lens or other externally exposed parts.

- Failure of Products that is due primarily to any communication service or signal you may subscribe to or use with the Products.

- Coil cords that are stretched or that have any broken modular tabs.

- Leased Products.
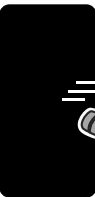
Flat-rate repair rates may apply to Products not covered by this warranty. To obtain information about Products needing repairs that are not covered by this warranty, please call the telephone number previously listed. We will provide information on repair availability, rates, methods of payment, where to send the Products, etc.

VII. Some Other Limitations

This is Motorola's complete warranty for the Products, and states your exclusive remedies. This warranty is given in lieu of all other express warranties. Implied warranties, including without limitation, the implied warranties of merchantability and fitness for a particular purpose, are given only if specifically required by applicable law. Otherwise, they are specifically excluded.

No warranty is made as to coverage, availability, or grade of service provided by the Products, whether through a service provider or otherwise.

No warranty is made that the software will meet your requirements or will work in combination with any hardware or applications software products 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.

In no event shall Motorola be liable, whether in contract or tort (including negligence) for damages in excess of the purchase price of the Product, or for any indirect, incidental, special or consequential damages of any kind, or loss of revenue or profits, loss of business, loss of information or data, or other financial loss arising out of or in connection with the ability or inability to use the Products, to the full extent these damages may be disclaimed by law.

VIII. Patent and Software Provisions

At Motorola's expense, we will defend you, and pay costs and damages that may be finally awarded against you, to the extent that a lawsuit is based on a claim that the Products directly infringe a United States patent. Our obligation is conditioned on: (a) you notifying us promptly in writing when you receive notice of the claim; (b) you giving us sole control of the defense of the suit and all negotiations for its settlement or compromise; and (c) should the Products become, or in Motorola's opinion be likely to become, the subject of a claim of infringement of a United States patent, you permit us, at our option and expense, either to: procure for you the right to continue using the Products; replace or modify them so that they become non-infringing; or grant you a credit for such Products, as depreciated, and accept their return. The depreciation will be an equal amount per year over the lifetime of the Products, as established by Motorola.

Motorola will have no liability to you with respect to any claim of patent infringement that is based upon the combination of the Products or parts furnished under this limited warranty with ancillary equipment, as defined in VI., above.

This is Motorola's entire liability with respect to infringement of patents by the Products.

IX. State Law and Other Jurisdiction Rights

Some states and other jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights, which vary from jurisdiction to jurisdiction.

To obtain information on Motorola Personal Communications Products, including warranty service, accessories and optional Extended Warranties on selected Products, please call:

Accessories and software—call the telephone number designated above for the product with which they are used.

DO NOT SHIP PRODUCTS TO THESE ADDRESSES — INSTEAD PLEASE CALL.

To correspond with Motorola about Products, please write us at: http://www.motorola.com or at:

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Warranty

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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 product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

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

Thank you for choosing a Motorola product.

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.

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U.S. patent Re. 34,976

PRELIMINARY

(A) **MOTOROLA**

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

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

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

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

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

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

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

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

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

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

    * Wherever wireless phone service is available.

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

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

ITC00-011

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V70 wireless phone.

Headset Jack
Insert headset accessory for hands-free use.

Earpiece

Display

Volume Key
Adjust earpiece and ringer volume.

Right Soft Key
Perform functions identified by right display prompt.

Left Soft Key
Perform functions identified by left display prompt.

Send Key
Send and answer calls, view recent dialed calls list.

Menu Key

Power/End Key
Press & hold to power phone on & off.

Press & release to end phone calls, exit menu system.

Navigation Keys
Scroll through menus and lists, set feature values.

Microphone

Accessory Connector Port
Insert charger and phone accessories.

MOTOROLA

Software Copyright Notice

Manual number:
Cover number:

Menu Map

Main Menu

- **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
  - Call Cost
- **Service Dial**
- **Fixed Dial**
- **Phonebook**
- **Datebook**
- **Quick Dial**
- **Messages**
  - Voicemail
  - Text Msgs
  - Browser Alerts
  - Info Services
  - Quick Notes
  - Outbox
  - Drafts
- **Shortcuts**
- **Voice Dial**
- **SIM Applications**
- **Browser**
- **Calculator**
- **Games**
- **Settings**
  (see next page)

Note: This is the standard phone menu layout. You or your service provider may have changed the menu layout or changed some feature names. Not all features may be available for all users.

Shortcuts
Change display zoom: Press 🔲, then press and hold 🔲
Display my phone number: Press 🔲 #️⃣
Go to dialed calls list: Press ☎
Exit menu system: Press 🔘

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Settings Menu

- **Ring/Vibrate**
  - Alert
  - *Alert* Detail
  - My Tones
- **Call Forward**
  - Voice Calls
  - Fax Calls
  - Data Calls
  - Cancel All
  - Forward Status
- **Phone Status**
  - My Tel. Numbers
  - Credit Info/Available
  - Active Line
  - Battery Meter
  - Other Information
- **Browser Setup**
- **In-Call Setup**
  - In-Call Timer
  - Call Cost Setup
  - My Caller ID
  - Talk and Fax
  - Answer Options
  - Call Waiting
- **Security**
  - Phone Lock
  - Lock Application
  - Fixed Dial
  - Call Barring
  - SIM Pin
  - New Passwords

- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Greeting
    - Quick Dial
  - Initial Setup
    - Time and Date
    - 1-Touch Dial
    - Backlight
    - Zoom
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
  - Car Settings
  - Headset

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About This Guide

Using Your Phone's Features

This user guide introduces you to the many features in your Motorola V70 phone. A reference guide for your phone is also available that explains the phone's features in more detail. To obtain a copy of the reference guide or another copy of this user guide, see the Motorola Web site at:

http://motorola.com/consumer/manuals (United States)
http://www.motorola.ca/manuals (Canada)

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

Navigating To a Menu Feature

You can access many of your phone's features through the menu system. This guide shows you how to navigate to a specific menu feature as follows:

Find the Feature　　　M> Recent Calls
　　　　　　　　　　　> Dialed Calls

The > symbol means that you should scroll to and select the feature. This example shows that you must press M, scroll to and select Recent Calls, then scroll to and select Dialed Calls to view the dialed calls list.

Optional Features

Features marked with this label are optional network, SIM card, and/or subscription-dependent features. These features may not be offered by all service providers in all geographical areas. Contact your service provider for information about availability.

Optional Accessories

Features marked with this label require the use of an optional Motorola Original™ accessory.

Safety and General Information

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

RF Operational Characteristics

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The phone operates in the frequency range of xx through xx.

When you communicate with your phone, the system handling your call controls the power levels at which your phone transmits. The output power level typically may vary over a range from xx watts to xx watts in analog mode and xx watts to xx watts in digital mode.

Exposure To Radio Frequency Energy

Your Motorola phone is designed to comply with the following national and international standards and guidelines regarding exposure of human beings to radio frequency electromagnetic energy (EME):

- United States Federal Communications Commission, Code of Regulations; 47 CFR part 2 sub-part J

- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992

- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition

- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986

- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998

- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radiofrequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz, 1999

- Australian Communications Authority Radiocommunications (Electromagnetic Radiation-Human Exposure) Standard 1999

To assure optimal phone performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures:

Portable Phone Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Do NOT hold the antenna when the phone is in use. Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone. **Speak directly into the microphone.**

Body-Worn Operation

To maintain compliance with FCC/Health Canada RF 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 product.** Use of non-Motorola-approved accessories may exceed FCC/Health Canada RF exposure guidelines. **If you do not use a body-worn accessory, and are not holding the phone in the normal use position at the ear, ensure the phone and its antenna are at least one 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 one inch (2.5 centimeters) from your body.**

Approved Accessories

For a list of approved Motorola accessories, visit our website at www.motorola.com.

Electromagnetic Interference/ Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your phone in any facility where posted notices instruct you to do so. Hospitals or health care facilities 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

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, the United States Food and Drug Administration.

Persons with pacemakers should:

- ALWAYS keep the phone more than six 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.

Safety and General

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:

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- 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.

Operational Warnings

For Vehicles With an Air Bag

Do not place a portable phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable 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 the phone is a model specifically identified as being "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, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

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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 two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use any portable phone that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches 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.

ITC01-076

Getting Started

What's in the Box?

Your digital wireless phone typically comes equipped with a battery and a charger. Other accessory options can customize your phone for maximum performance and portability.

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

Installing the SIM Card and Battery

Before you can use your phone, you need to install and charge the battery.

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

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory. It must be installed in the base of the phone.

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

Step

1   Remove the back cover
    of the phone:

    a   While pressing the
            release button at
            the bottom of the
            cover, slide the
            cover downward.
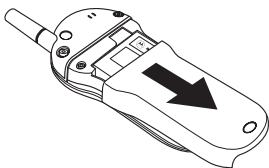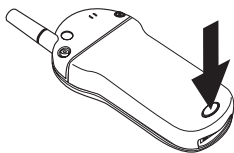
    b   Pull the cover
            away from the
            base.
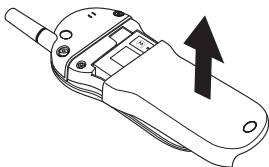
Step

2 Insert the SIM card, with the notch at the upper right and the gold plate downward, into the SIM slot (located above the battery compartment).
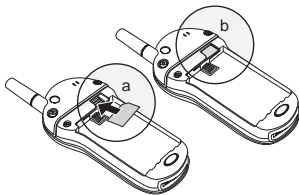
   When the SIM card is properly positioned, the battery compartment terminals are visible.

3 Install the battery by inserting the tabs at the base of the battery into the slots at the bottom of the battery compartment.
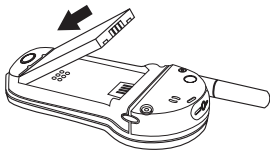
4 Push the battery down and snap it into place.
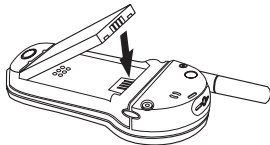
5 Re-install the back cover by aligning the cover about 1/2 inch down on base and fitting the cover onto the base.
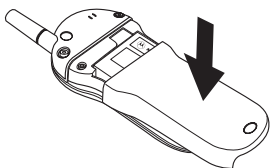
Step	
6	Push down on the cover while sliding it upward into position.
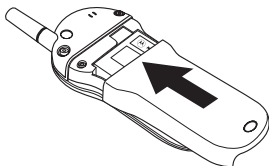
Charging the Battery

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

Step	
1	Plug the travel charger into the phone with the release tabs facing up.
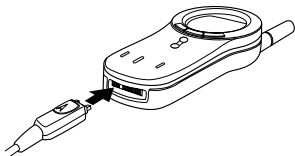
2	Plug the other end of the travel charger into the appropriate electrical outlet.
3	When your phone indicates that the battery is fully charged (**Charge Complete**), press the release tab and remove the travel charger.

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. See the "Battery Level Indicator" item on page 29.

Turning Your Phone On

Step		Result
1	Open your phone	expose the keypad
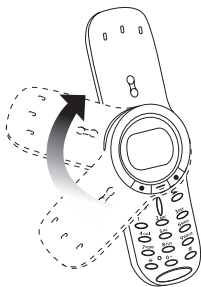
Step		Result
2	Press and hold ⊙⊠ (the End/Power key)	turn on your phone

End/
Power Key

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Step		Result
3	If necessary, enter your SIM card PIN code and press OK (⬚)	unlock your SIM card
		Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays the message SIM Blocked. (For more information, see "Protecting the SIM Card" on page 158.)
4	If necessary, enter your four-digit unlock code and press OK (⬚)	unlock your phone
		The unlock code is originally set to 1234. (For more information, see "Locking and Unlocking Your Phone" on page 155.)

Sending a Call

To call a number, your phone:

- must be rotated completely open to expose the keypad

- must be turned on

- must have a SIM card inserted and unlocked

- must have a network connection with adequate signal strength

Press	To
1 keypad keys	dial the phone number (up to 32 digits)
	Tip: If you make a mistake, press **DELETE** (/•) to delete the last digit, or press and hold **DELETE** (/•) to clear all digits.
2 ◎ (send key)	send the call

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted. See "Dialing an Emergency Number" on page 38.

Ending a Call

Press	To
◎ (end key)	end the call

Receiving a Call

To receive a call, your phone:

- must be rotated completely open to expose the keypad or have a headset (an optional accessory) plugged in

- must be turned on

- must have a SIM card inserted and unlocked

- must have a network connection with adequate signal strength

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

Note: Your phone cannot receive calls when your SIM card is locked.

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

Press	To
⬅ or **ANSWER** (⬛)	answer the call

Displaying Your Phone Number

From the idle display:

Press	To
⬜ ⬜	see your phone number

Note: Your phone number must be programmed on your SIM card in order to use this feature.

About Your Phone

See page 1 for a diagram of your phone that describes basic phone components.

Display

The top section of the display shows phone status indicators. The following illustration shows some of the common indicators that you may see at the top of the display when using your phone.

Messages, phone numbers, and menu options appear in the middle of the display. Text labels at the bottom corners of the display show the current soft key functions. A ≡ (menu) indicator in the bottom center of the display indicates that you can open the main menu or a feature sub-menu to see more options. For more information about the soft key and menu key labels, see "Using the Menu" on page 49.

Some of the phone functions described in this guide must be performed from the idle display. The term *idle display* refers to the standard display that you see when your phone is on and ready to use, when you are *not* on a call or using the menu system.

❷ In Use Indicator

❸ Roam Indicator

❹ Message Waiting Indicator

❶ Signal Strength Indicator

❺ Voice Message Waiting Indicator

⓫ Alert Setting Indicator

❻ Battery Level Indicator

❼ Active line indicator

❿ Clock

❾ Menu Indicator

❽ GPRS Indicators
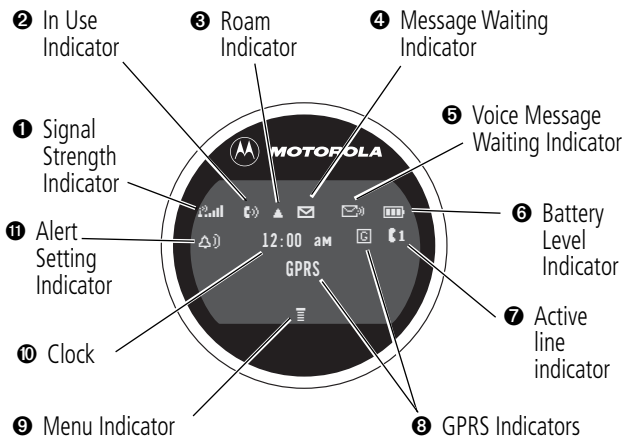
❶ Signal Strength Indicator Shows the strength of your phone's connection with the network.

Strong   ﭏ‌ﻞﻞ   ﭏ‌ﻞ   ﭏ‌ﻞ   ﭏ   ﭏ   ﭏ   No signal

You cannot send or receive calls when the "no signal" indicator is displayed.

❷ In Use Indicator Appears when a call is in progress.

❸ Roam Indicator Appears when your phone uses another network system outside your home network. When you leave your home network area, your phone *roams* or seeks another network.

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❹ Message Waiting Indicator Appears when your phone receives a text message.

❺ Voice Message Waiting Indicator Appears when you receive a voicemail message.

❻ Battery Level Indicator Shows the amount of charge left in your battery. The more segments visible, the greater the charge.

High   ▥   ▥   ▥   ▯   Empty

Recharge your battery as soon as possible when you see the **Low Battery** warning message.

Note: When you charge the battery, the battery level indicator instead shows how much of the charging process is complete. See "Charging the Battery" on page 22.

❼ Active Line Indicator When you use a SIM card that supports dual phone lines, this indicator shows the current active phone line. See the "Active Line" option on page 69.

❽ GPRS Indicators Indicate that a GPRS packet data connection is active. This type of connection may be used by your service provider to allow faster data transfer speeds. The GPRS indicators do not mean that you are in a call; they simply indicates that you are registered on the network via a GPRS connection.

❾ Menu Indicator Indicates that you can press $\boxed{\equiv}$ to open a menu. See "Using the Menu" on page 49.

❿ Clock Shows the current time.

⓫ Alert Setting Indicator Shows the current selected alert profile. The default alert setting is a ringer.

♫❘)	Loud ring	♫»	Soft ring
⑊◫⑊	Vibrate	⑊♫	Ring and vibrate
♫ᶻ	Silent		

Changing the Zoom Setting

You can set your phone's display to show either three lines or two lines of text plus soft key labels. Three lines of text display more information, while two lines increase text size.

Note: By default, your phone uses two lines to display Chinese characters. When your phone is set to display Chinese characters, the zoom setting is not available.

To change the display view, press $\boxed{\equiv}$ once, then press and hold $\boxed{\equiv}$ again within two seconds of the first press.

You can also adjust the zoom setting from the menu. See the "Zoom" item on page 75.

Adjusting Volume

You can adjust your phone's earpiece and ringer volume:

When	You Can Adjust
you are in a call	earpiece speaker volume
the idle display is showing	ringer volume

You can increase or decrease volume in two ways:

- use only the volume key

- use the volume key in combination with the up/down navigation key

Volume Key

Up/Down Navigation Key
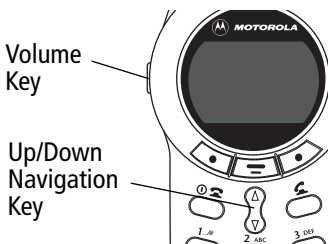
To change keypad volume, see "Customize an Alert Profile" on page 134.

Using Only the Volume Key

The volume key works in only one direction.

To Increase Volume	To Decrease Volume
Press the volume key repeatedly.	Press and hold the volume key until the volume cycles to and stops at the highest level.
Each press of the volume key raises the volume one level. If you press and hold the volume key, the volume cycles to the highest level and then stops.	Release the volume key, then press again. The volume begins at the lowest level and adjusts upward as you continue to press the key.

Using the Volume Key and the Up/Down Navigation Key

Step		Result
1	Press the volume key once	Your phone displays the volume meter.
2	Press the up-arrow (on the up/down navigation key)	Volume increases.
	or	
	Press the down-arrow (on the up/down navigation key)	Volume decreases.

Battery Use

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 more you talk on the phone or use phone features (like sending text messages), the less standby time your battery has.

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.

Sending and Receiving Calls

This chapter describes features related to sending and receiving calls.

For information about other call-related features, see "Recent Calls" on page 79 and "Data and Fax Calls" on page 148. For basic instructions on how to send, end, and receive a call, see pages 25–26 of the "Getting Started" section.

Note: To send and receive calls, rotate your phone's cover open.

Redialing a Number

You can redial a previously dialed phone number, whether the call was connected or busy. From the idle display:

Press	To
1 ⓒ	go directly to the dialed calls list
2 ⓞ	scroll to the entry you want to call
3 ⓒ	redial the highlighted number

Using Automatic Redial

You must turn on automatic redial to use this feature. See the "Auto Redial" item on page 75 to turn on automatic redial.

If you receive a busy signal, your phone displays `Call Failed`.

When automatic redial is turned on, your phone automatically makes a number of redial attempts until the call goes through. When the call goes through, your phone rings or vibrates one time, displays the message **Redial Successful**, and then connects the call.

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

Press	To
C or RETRY (•)	activate automatic redial

Caller ID

The *calling line identification* (caller ID) feature lets you see who is calling before you answer.

- If the caller's name is stored in your phonebook, the phone automatically displays the name. Otherwise, the phone displays the caller's phone number.

- If caller ID information is not available, your phone displays the message **Incoming Call**.

Line Security

If your phone displays **Line Not Secure** while you are on a call, your phone has detected another device monitoring the call. This message does not appear when caller ID, call cost, or other information fills the display.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls. When you cannot answer a call, your phone displays:

- the $\overline{\Box}$ (missed call) indicator

- the message **X Missed Calls**, where **X** is the total number of missed calls

Press	To
1 VIEW ($\boxed{\bullet}$)	see the received calls list, beginning with the most recent call
2 $\begin{smallmatrix}O\\O\end{smallmatrix}$	scroll through the list and select a call that you want to return
3 $\textcircled{\small C}$	send the call

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Dialing an Emergency Number

Your service provider programs one or more emergency phone numbers (such as 112 or 911) that you can call under any circumstances. You can dial and call the emergency number even when your phone is locked, when you are prompted to enter a code or password, when the SIM card is not inserted in your phone, or when the SIM card is blocked or disabled.

Note: Emergency numbers vary by country. Your phone's emergency number(s) may not work in all locations.

To call the emergency number at any time:

	Press	To
1	keypad keys	dial the emergency number (such as 112)
2	C	call the emergency number

Entering Numbers in the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the *notepad.* These digits can be the last phone number that you called, or a phone number that you simply entered but did not call. These digits remain in the notepad even when you turn off the phone.

You can use the notepad to store a phone number that you intend to call later (such as a phone number told to you by the other party during a call). To retrieve these digits, see "Using the Notepad" on page 82.

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Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
◎☎ or IGNORE ($\boxed{\bullet}$)	cancel the incoming call

Depending on your phone settings and the type of subscription you have, the call may be forwarded to another number, or the caller may hear a busy signal.

Dialing With Speed Dial

Speed dial lets you dial any phonebook entry with a minimal number of keypresses.

When you store an entry in your phonebook, it is assigned a unique speed dial number. You can then use the speed dial feature to call the entry.

	Press	To
1	keypad keys	enter the one-, two-, or three-digit speed dial number for the entry you want to dial
2	(#)	submit the number
3	ⓒ	call the entry

To make an entry in the phonebook or view an existing entry's speed dial number, see "Storing a Phonebook Entry" on page 88.

Dialing With 1-Touch Dial

You can call phonebook entries 1 through 9 with the push of a single key. Press and hold the one-digit speed dial number for one second. To store entries in locations 1 through 9 in the phonebook, see "Storing a Phonebook Entry" on page 88.

Note: You must specify which phone number list you want to use with this feature: phone memory phonebook, or SIM card phonebook. See "1-Touch Dial Preference" on page 101.

Dialing a Number in a Text Message

If you receive a text message with an embedded phone number, you can dial the number directly.

Note: You must set up the text message inbox before you can receive text messages. See "Setting Up the Text Message Inbox" on page 113.

Find the Feature $\boxed{=}$> **Messages** > **Text Msgs**

Press		To
1	$\mathzapf{\S}$	scroll to the message with the number
2	$\boxed{=}$	open the **Text Msg Menu**
3	$\mathzapf{\S}$	scroll to **Call Back**
4	SELECT ($\boxed{\bullet}$)	dial the number in the message

If the message contains more than one phone number, press $\mathzapf{\S}$ to scroll to a number, then press SELECT ($\boxed{\bullet}$) to dial.

Additional Dialing Features

In addition to pressing numbers on your keypad, you can insert numbers or characters and send calls in a variety of ways.

To dial the local international access code:

Do This	To
Press $\boxed{0\cdot}$ for two seconds	insert the international access code for the country from which you are dialing

While dialing (with digits visible in the display):

Do This	To
Press $\boxed{\equiv}$ > **Attach Number**	attach a number from the phonebook or recent calls list to the end of the digits you entered
Press $\boxed{\equiv}$ > **Hide ID/Show ID**	Hide (or show) your caller ID for the next call
Press $\boxed{\equiv}$ > **Send Message**	create a text message addressed to the number entered
Press $\boxed{\equiv}$ > **Talk Then Fax**	talk and then send a fax to the same phone number within the same call

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Do This	To
Press <kbd>≡</kbd> and then scroll to and select one of the following:	insert a special character when making a call that requires you to dial and send additional digits (for example, to make a calling card call, or to retrieve messages from an answering machine):
• **Insert Pause** (to insert a **p**)	• **Pause** tells your phone to wait until the call connects before it automatically sends the next digit(s) in a series.
• **Insert Wait** (to insert a **w**)	• **Wait** tells your phone to wait until the call connects, and then to prompt you for confirmation before it sends the next digit(s).
• **Insert 'n'** (to insert an **n**)	• **'n'** tells your phone to prompt you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the **n** character.

You can also call numbers using these features:

Do This	To Call
Press V. Dial (⌐•), and say the entry's name within two seconds	a phone number using the voice dial feature
	See "Recording a Voice Name For a Phonebook Entry" on page 91.
Press ⌐≡ > Service Dial > *entry to call*	a service dial number programmed on the SIM card
Press ⌐≡ > Fixed Dial > *entry to call*	a fixed dial number
Press ⌐≡ > Recent Calls > Received Calls **or** Dialed Calls > *entry to call*	a missed call or a number from a call you recently dialed or received

Using Features While On a Call

Using Call Waiting

If you subscribe to call waiting, an alert tone sounds while you are on a call to indicate that you have received a second call.

To put the first call on hold and answer the second call:

Press	To
1 $\boxdot$	answer the new call
2 SWITCH ($\boxdot$)	switch back to the first call
	Note: You can press SWITCH ($\boxdot$) at any time to switch between calls.
or	
LINK ($\boxdot$)	connect the two calls

To end the first call and answer the second call:

Press	To
1 $\textcircled{o}$	end the current call
	Your phone rings to signal the new call.
2 $\boxdot$	answer the new call

You must activate call waiting in order to use the feature. See the "Call Waiting" item on page 72 to activate call waiting.

Making a Conference Call

To talk to more than one person on a call, you can make a conference call. Call the first person, call the second person, then link the two calls.

Press	To
1 keypad keys	dial the first person's number
2 ⏵	call the number
3 HOLD (•\) (if available) **or** ▤ > Hold	put the first call on hold
	Your phone displays a ⁂ (flashing phone) indicator next to the call on hold.
4 keypad keys	dial the next person's number
5 ⏵	call the number
	Your phone displays a ❬ (active call) indicator next to the new active call.
6 LINK (/•)	connect the two calls
7 ⌾⤸	end the entire call

Transferring a Call

While you are on a call, you can transfer the call to another phone by first talking to the person who answers the other phone, or by directly transferring the call.

Announce the Call Transfer

You can talk to the person who answers the other phone before you transfer the call, to tell them whom you are transferring.

Find the Feature $\boxed{=}$ > Hold

	Press	To
1	keypad keys	enter the phone number where you are transferring the call
2	$\textcircled{\small\text{$\mathbb{\angle}$}}$	dial the phone number
		Speak to the person who answers the target phone.
3	$\boxed{=}$	open the menu
4	$\overset{\circ}{\S}$	scroll to Transfer
5	SELECT ($\boxed{\bullet}$)	select Transfer
6	OK ($\boxed{\bullet}$)	confirm the transfer
		Your phone displays the message Transfer: Complete when the call is transferred. You can hang up the phone when you see this message.

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Do Not Announce the Call Transfer

You can directly transfer a call without talking to the person who answers.

Find the Feature　　$\boxed{\equiv}$ > Transfer

Press	To
1 keypad keys	enter the phone number where you are transferring the call
2 $\textcircled{\small\textsf{c}}$	dial the phone number
	Your phone displays the message Transfer: Complete when the call is transferred. You can hang up the phone when you see this message.

Additional On-Call Features

While you are on a call, you can perform the following tasks:

Do This	To
Press **HOLD** (⬛) (if available) **or** Press ▣ > **Hold**	put a call on hold Your phone displays a 📳 (flashing phone) indicator to indicate that the call is on hold.
Press ▣ > **My Tel. Numbers**	see your phone number
Press ▣ > **Send Tones**	send a number to the network as DTMF tones, for credit card calling or password entry To activate DTMF tones, see the "DTMF" item on page 76

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Using the Menu

Navigating to a Feature

You can access many of your phone's features by using these keys to move through the menu system:

Volume Key
Adjust earpiece and ringer volume.

Left Soft Key
Perform functions identified by left display prompt.

Menu Key

Power/End Key
Press & hold to power phone on & off.

Press & release to end phone calls, exit menu system.

Right Soft Key
Perform functions identified by right display prompt.

Send Key
Send and answer calls, view recent dialed calls list.

Navigation Keys
Scroll through menus and lists, set feature values.
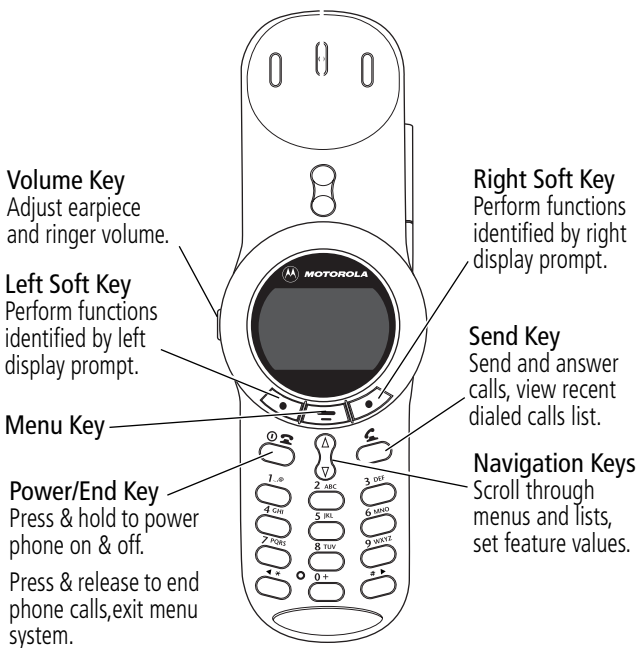
This guide shows how to navigate to a menu feature as follows:

Find the Feature　　　$\boxed{\equiv}$ > Recent Calls
　　　　　　　　　　　　　　> Dialed Calls

The > symbol means that you should scroll to and select the feature. This example shows that you should press $\boxed{\equiv}$, scroll to and select **Recent Calls**, then scroll to and select **Dialed Calls** to see the dialed calls list.

Selecting a Feature

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

Press
BACK ($\boxed{\bullet}$)
to return to
the previous
screen.

Highlighted
item

A sub-menu is
available. Press
$\boxed{\equiv}$ to open
the sub-menu.

Press **VIEW** ($\boxed{\bullet}$)
to view details
of the highlighted
item. **STORE** ($\boxed{\bullet}$)
appears if you can
store the item in
your phonebook.

(A) MOTOROLA

—— Dialed Calls ——
10) John Smith
　9) Mary Smith

BACK　　　$\equiv$　　　VIEW
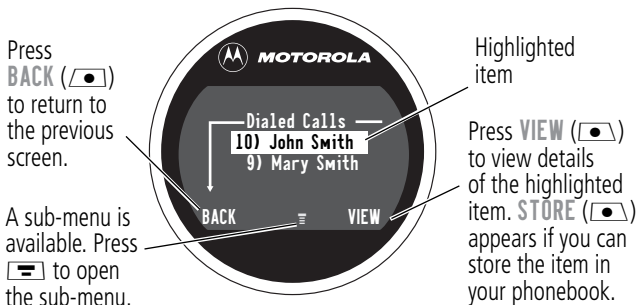
Select an item by highlighting it using one of these approaches:

- Press $\S$ to scroll up or down to the item you want.

- In a numbered list, press a number key to highlight the item.

- In an alphabetized list, press a key multiple times to cycle through the letters on the key and highlight the closest matching list item.

Entering Feature Information

Features such as the phonebook and datebook require you to enter information to fill in an entry's details:

Press $\S$ to
scroll down
to additional
items.

Press
CANCEL ($\boxed{\bullet}$) to
exit without making
changes.
DONE ($\boxed{\bullet}$) appears
when you enter or edit
information. Press
DONE ($\boxed{\bullet}$) to save
your changes.

Highlighted item

Ⓜ MOTOROLA

— Entry Details —
Name: John Smith
No.: 2125551212

CANCEL ≣ CHANGE
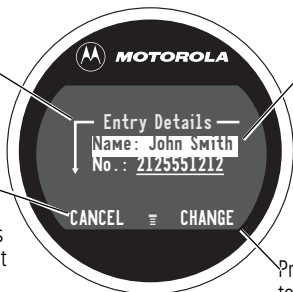
Press CHANGE ($\boxed{\bullet}$)
to edit the selected
information.

- Enter numbers or text with the keypad. (See "Entering Text" on page 53.)

- When an item has a list of possible values, press ⊛ to scroll left or #▷ to scroll right, and select a value.

- When an item has a list of possible numeric values, press a number key to set the value.

- If you enter or edit information and then decide that you do not want to save your changes, press ◎ to exit without saving.

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The message center lets you compose and send text messages. (See "Entering Text" on page 53.) A *flashing cursor* shows you where the text will appear:

Flashing cursor indicates insertion point.

Press
BROWSE (⬭\) to view and insert a name, number, or message from previously stored information.

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

Msg:

CANCEL   ≡   **BROWSE**

Press ▭ to open the sub-menu.

When you enter text, the flashing cursor changes to a *block cursor*, and the soft key functions change:

Block cursor indicates current highlighted character.

After two seconds, the block cursor reverts to a flashing cursor and moves to the next position.

Msg:
T

DELETE   ≡   **OK**

Press **OK** (⬭\) to accept and store the text.

Press **DELETE** (/⬭) to delete the character to the left of the insertion point.

Entering Text

Various text entry methods make it easy for you to enter names, numbers, and text messages on your phone.

You can enter all characters (letters, numbers, and symbols) using the standard tap method. Other text modes let you easily enter numbers and symbols, or insert text already stored on your phone. Finally, a predictive text mode lets you enter text messages with a minimum of keypresses.

Choosing a Text Mode

To activate a text mode, press $\boxed{=}$ from any text entry screen and select the text mode from the **Entry Method** menu:

iTAP Let the phone predict each word as you enter it, then choose the word from a list (see "Predictive Text Entry with iTAP™ Software" on page 58).

Tap Method Enter characters one at a time by pressing the key for the letter, number, or symbol (see "Tap Method" on page 54). This is the standard mode for entering text on your phone.

Numeric Enter only the number that appears on each key.

Symbol Enter symbols only (see "Symbol Mode" on page 57).

Browse Browse through your phonebook and recent calls lists to select a name or number to enter.

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

Tap Method

Tap method is the default standard mode for entering text on your phone.

To activate tap method from any text entry screen, press ⊟ and select the **Tap Method** menu option.

To enter text using the tap method:

Do This	To
1 Press a number key one or more times	cycle through the characters associated with the key and select the character you want (see the "Character Chart" on page 56).
2 Continue to press number keys	enter the rest of the characters in the text message
3 Press **OK** (⬤)	accept and store the text when you are finished

General Text Entry Rules

Use the keypad to enter letters, numbers, symbols, and other characters with the tap method. Press the same key repeatedly to cycle through available characters. (See the "Character Chart" on page 56.)

Press a number key to enter text at flashing cursor location.

Press a number key as many times as necessary to enter the desired character.

Press and hold a number key to cycle between tap method and numeric text entry mode.
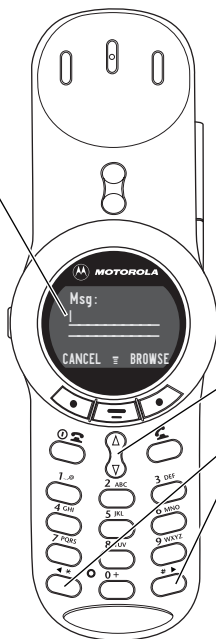
Press **up** or **down** navigation keys to change character in block cursor to uppercase or lowercase.

Press **left** or **right** navigation keys to move flashing cursor to the left or right in text message.

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

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- The first character of each sentence is capitalized unless you manually change it. (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 spaces, numbers, letters, symbols, and other characters with the tap method.

①	space . 1 ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
②ABC	A B C 2 Ä Å Á À Â Ã α β Ç a b c 2 ä å á à ã α β ç
③DEF	D E F 3 Δ Ë É È Ê φ d e f 3 δ é è ê φ
④GHI	G H I 4 Ï Í Î ¬ g h i 4 ï í î γ
⑤JKL	J K L 5 Λ j k l 5 λ
⑥MNO	M N O 6 Ñ ö Ø ó ò ô õ Ω m n o 6 ñ ö ø ó ò ô õ ω
⑦PQRS	P Q R S 7 Π β Σ p q r s 7 π β σ
⑧TUV	T U V 8 θ Ü Ú Ù Û t u v 8 θ ü ú ù
⑨WXYZ	W X Y Z 9 Ξ Ψ w x y z 9 ξ ψ
⓪+	+ - 0 x * / \ [ ] = > < # §

Note: Your phone model may not include all of the characters shown in the above chart.

Symbol Mode

Your phone provides an alternate way to find and enter symbol characters in a text message. You can view and select from a variety of available symbols.

To activate symbol mode from any text entry screen, press 🔲 and select the **Symbol** menu option.

To enter a symbol in symbol mode:

	Do This	To
1	Press a number key one time	display its symbol options (see the "Symbol Chart" on page 58)
		The symbols associated with the key you pressed are shown at the bottom of the display. If necessary, press other keypad keys to find the symbol you want.
2	Press the scroll left ⟨⁎⟩ or the scroll right ⟨#⟩ key	highlight the symbol you want
	or	
	Press the number key multiple times	
3	Press SELECT (🔲)	add the highlighted symbol to the text area at the top of the display

Symbol Chart

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

①	space . ? ! , @ _ & : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
②ABC	@ _ \
③DEF	/ : ;
④GHI	" & '
⑤JKL	( ) [ ] { }
⑥MNO	¿ ¡ ~
⑦PQRS	< > =
⑧TUV	$ £ ¥ ¤ €
⑨WXYZ	# % *
⓪+	+ - x * / = > < # §

Predictive Text Entry with iTAP™ Software

iTAP™ software provides a predictive text entry method that lets you enter the letters of a word using only one keypress per letter.

You must activate iTAP software prior to entering letters. You can do this from any text entry screen by pressing ▭ to open the **Entry Method** menu and selecting the **iTAP** menu option.

Enter Words

To enter a word with iTAP software:

Do This	To
1 Press a number key one time	enter the first letter of the word
	The letters associated with the key you pressed are shown at the bottom of the display.
2 Press number keys (one per letter)	enter the rest of the word
	Alternative words and letter combinations are shown at the bottom of the display based on the keys you press. These word choices are updated with each keypress.
3 When you have entered all the letters of the word, press ⑧	locate and highlight the word you want
4 Press **SELECT** (⬛)	add the highlighted word to the text area at the top of the display
	A space is automatically inserted after the word.

For example, to spell the word "act," press ②ABC ②ABC ⑧TUV. The display shows:

Flashing cursor indicates insertion point.

Press DELETE (／●﹚) to clear the last letter entered.

Press ④✱ and ④#﹚ scroll and see additional word choices.

Press SELECT (●﹚﹚) to insert the highlighted word at the insertion point.
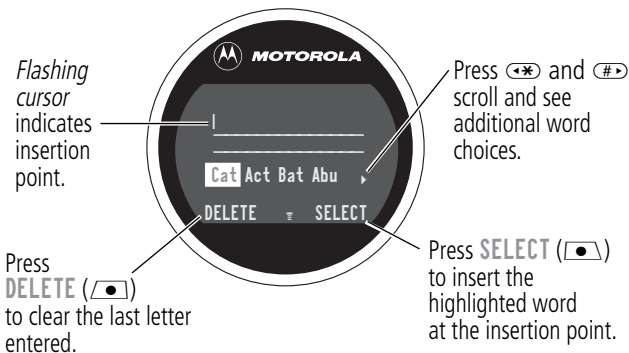
Enter Novel Words

You may enter a word that is not in the iTAP software dictionary. If you enter all the letters of a word but the word is not displayed:

Do This	To
1 Press DELETE (／●﹚) one or more times	delete one or more letters until you see a letter combination that matches the start of the word
2 Press the scroll left ④✱ or the scroll right ④#﹚ key	highlight the letter or letter combination

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Do This	**To**
3 Press SELECT (⊡), then press the scroll left ⊛ key	shift the text entry cursor to the left and "lock" the selected portion of the word
4 Continue entering letters and highlighting letter combinations	spell the word

Punctuation

The iTAP software automatically adds a space after each word. When you enter punctuation, this space is removed. To enter punctuation with iTAP software:

Press	**To**
① or ⓪	enter punctuation or other characters as shown in the "Character Chart" on page 56

Capitalization

The first word of a sentence is automatically capitalized, with following words in lowercase. To set or adjust character capitalization with iTAP software:

Press	**To**
⑧ up or down	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Enter Numbers

To enter a number with iTAP software:

Do This	To
1 Enter the first digit and then highlight it	put the iTAP software in number entry mode
2 Press number keys	add digits to the number
3 Press SELECT ([●])	enter the number at the insertion point

Delete Letters and Words

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

Do This	To
Press DELETE ([●])	delete one letter at a time
Continue to hold DELETE ([●])	delete the entire message

Menu Feature Descriptions ☰

This chapter describes all of your phone's features in order of the menu map shown on pages 3–4. Some descriptions also include page numbers where you can find more detailed information.

If you would like to learn more about a specific feature, a reference guide for your phone is also available. To obtain a copy of the reference guide or another copy of this user guide, see the Motorola Web site at:

http://motorola.com/consumer/manuals (United States)
http://www.motorola.ca/manuals (Canada)

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

Main Menu

RECENT CALLS

Received Calls $\boxed{=}$ > Recent Calls
                    > Received Calls

View a list of recently received calls. See "Viewing the Received Calls or Dialed Calls List" on page 79.

Dialed Calls $\boxed{=}$ > Recent Calls
                  > Dialed Calls

View a list of recently dialed calls. See "Viewing the Received Calls or Dialed Calls List" on page 79.

Notepad ⌨ > Recent Calls
 > Notepad

Call or store the last number entered on the keypad. See
"Entering Numbers in the Notepad" on page 38, and
"Using the Notepad" on page 82.

Call Times ⌨ > Recent Calls
 > Call Times

View call timers that track time spent on your last call,
dialed calls, received calls, all calls since reset, and all calls
total. See "Viewing and Resetting Call Timers" on page 83.

Call Cost ⌨ > Recent Calls
 > Call Cost

View call cost information. Your network may
provide current credit information, and can provide cost
information about the amount spent on your last call,
dialed calls, received calls, and all calls total. See "Viewing
and Resetting Call Costs" on page 85.

SERVICE DIAL ⌨ > Service Dial

Dial pre-programmed numbers stored on your SIM
card. Your service provider can program your SIM
card with phone numbers for services such as taxi
companies, restaurants, and hospitals.

FIXED DIAL ⌨ > Fixed Dial

Dial or edit numbers in the fixed dial list.

When you activate the fixed dial feature, users can
only call the numbers in the fixed dial list. To activate fixed
dial, see the "Fixed Dial" item on page 73.

Fixed dial list entries can be any length. If there is a fixed dial entry for the digits 555, users can call any number that starts with 555.

You must enter your SIM PIN2 code to edit fixed dial entries. In the fixed dial list, you can create, edit, delete, and sort entries just like in the phonebook list. Fixed dial list entries are stored on your SIM card and do not have **Type** or **Voice Name** fields.

Note: Employers can use fixed dial to limit employees' phones to a predefined list of numbers, country codes, or other prefixes.

PHONEBOOK   M > **Phonebook**

Store names and numbers as entries in your phonebook, then call numbers by selecting them from the phonebook list. See "Phonebook" on page 87.

DATEBOOK   M > **Datebook**

Use the datebook calendar to schedule and review your appointments. See "Datebook" on page 102.

QUICK DIAL   M > **Quick Dial**

Dial pre-programmed numbers stored on your phone. Your service provider may program your phone with one or more quick dial numbers, such as the customer service number. You can call them by selecting them from the quick dial list.

Note: Your service provider may use a different name for this feature.

MESSAGES　　　　　　　M > **Messages**

Adjust message settings, view and manage the various types of messages your phone can receive and/or send:

Voicemail	Listen to your recorded voice messages. See "Messages—Voicemail" on page 111
Text Msgs	Send and receive text messages. See "Messages—Text" on page 113
Browser Alerts	Read alert messages received by your micro-browser
Info Services	Read information services messages (subscription-based broadcast messages, such as stock updates, news, and weather reports) that you have received
Quick Notes	Select and send pre-written messages from the quick notes list.
Outbox	View all outgoing text messages, delivered and undelivered
Drafts	Store and edit text messages that you have written but not sent

SHORTCUTS　　　　　　　M > **Shortcuts**

Create keypad shortcuts to menu features. See "Shortcuts" on page 120.

VOICE DIAL　　　　　　M > Voice Dial

Dial a phonebook entry by saying the pre-recorded voice name for that phonebook entry. See "Voice Dial Using the Menu" on page 93.

SIM APPLICATIONS　　　M > SIM Applications

Access information and applications stored on your SIM card.

Your SIM card may contain applications that process your outgoing calls, text messages, and other events. Contact your service provider for details.

BROWSER　　　　　　M > Browser

Access Web pages and run Web-based applications. The micro-browser delivers WAP (Wireless Application Protocol) pages from your service provider directly to your phone. See "Micro-Browser" on page 123.

CALCULATOR　　　　　M > Calculator

Use your phone as a calculator or currency converter. See "Calculator" on page 125.

GAMES　　　　　　　M > Games

Play games on your phone. See "Games" on page 128.

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Settings Menu

RING/VIBRATE

Alert M > Settings
> Ring/Vibrate
> Alert

Select a ring or vibration alert profile for incoming calls and messages. See "Ring/Vibrate" on page 133.

Alert Detail M > Settings
> Ring/Vibrate
> *Alert* Detail

Change details about the current alert profile. *Alert* represents the name of the alert profile. See "Ring/Vibrate" on page 133.

My Tones M > Settings
> Ring/Vibrate
> My Tones

Create custom alert tones for your phone. See "Use the My Tones Feature" on page 135.

CALL FORWARD M > Settings
> Call Forward

Set options for forwarding incoming voice, data, and/or fax calls to another phone number. See "Call Forwarding" on page 141.

PHONE STATUS

My Tel. Numbers M > Settings
  > Phone Status
  > My Tel. Numbers

View, enter, and edit information about your name
and phone number.

Credit Info M > Settings
  > Phone Status
  > Credit Info

View the credit available, its expiration date, and
the date of the last deposit. (This feature is available only if
you subscribe to a prepay option.)

Credit Available M > Settings
  > Phone Status
  > Credit Available

View the credit available. (This feature is available
only if you subscribe to the advice-of-charge feature.)

Active Line M > Settings
  > Phone Status
  > Active Line

Change the active phone line to send and receive
calls from either of the available numbers. (This feature is
available only for dual-line enabled SIM cards.)

Battery Meter M > Settings
  > Phone Status
  > Battery Meter

View a detailed battery charge meter.

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Other Information $\boxed{\equiv}$ > Settings
                      > Phone Status
                      > Other Information

View your phone's feature specifications (if available from the service provider).

BROWSER SETUP $\boxed{\equiv}$ > Settings
                   > Browser Setup

Adjust the micro-browser's network connection settings, or create a new network connection profile.

IN-CALL SETUP

Set the features that are active during a call, such as the in-call timer, call waiting, and call answering options.

In-Call Timer $\boxed{\equiv}$ > Settings
                   > In-Call Setup
                   > In-Call Timer

Adjust call timer display and beep settings. You can set your timer to beep at a selected interval during your calls. (60 seconds is the default.) You can also turn on or off a display timer during calls as follows:

Time   Display the elapsed time for the current call

Cost   Display the cost of the current call (if you subscribe to a call cost option or advice-of-charge)

Total Cost Display the cost of all calls since the last time you reset the timer (if you subscribe to a call cost option or advice-of-charge)

Credit Available Display how much credit you have left (if you subscribe to a call cost option or advice-of-charge)

Off No in-call timer display

Call Cost Setup $\boxed{=}$ > **Settings** > **In-Call Setup** > **Call Cost Setup**

Adjust call cost settings.

You can assign a credit limit so that your phone displays your remaining credit during calls. Your phone notifies you when you approach your limit, and ends the call when you reach it.

Your phone network expresses cost in the amount of units used, but this feature lets you tell your phone how to translate the units to a currency.

My Caller ID $\boxed{=}$ > **Settings** > **In-Call Setup** > **My Caller ID**

Activate and deactivate the display of your phone number as an ID when you call someone.

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Talk and Fax　　　　　　$\boxed{\equiv}$ > Settings
　　　　　　　　　　　　　　> In-Call Setup
　　　　　　　　　　　　　　> Talk and Fax

Activate and deactivate the talk/fax service.

Use this feature prior to making a call when you want to talk and then send or receive a fax—all to the same phone number and within the same call.

You can also use the talk then fax feature to send a fax during a call. See "Sending a Talk then Fax Call" on page 152.

Answer Options　　　　　$\boxed{\equiv}$ > Settings
　　　　　　　　　　　　　　> In-Call Setup
　　　　　　　　　　　　　　> Answer Options

Turn call answering options on or off:

Multi-Key　　　　Answer by pressing any key

Open to Answer　Answer by opening the flip

Call Waiting　　　　　　$\boxed{\equiv}$ > Settings
　　　　　　　　　　　　　　> In-Call Setup
　　　　　　　　　　　　　　> Call Waiting

Activate and deactivate call waiting.

When call waiting is activated and another call arrives while you are on a call, call waiting can play a tone to notify you of the new call. See "Using Call Waiting" on page 44.

SECURITY

Phone Lock $\boxed{=}$ > **Settings** > **Security**
                                  > **Phone Lock**

Lock and unlock your phone. See "Locking and Unlocking Your Phone" on page 155.

Lock Application $\boxed{=}$ > **Settings** > **Security**
                                  > **Lock Application**

Lock and unlock specific phone applications (such as phonebook or datebook). When an application is locked, users must enter the unlock code to use the application.

Fixed Dial $\boxed{=}$ > **Settings**
                                  > **Security**
                                  > **Fixed Dial**

Restrict outgoing calls to numbers on the fixed dial list. See "Fixed Dial" on page 64.

Call Barring $\boxed{=}$ > **Settings** > **Security**
                                  > **Call Barring**

Restrict incoming and outgoing calls. See "Barring Calls" on page 157.

SIM PIN $\boxed{=}$ > **Settings** > **Security**
                                  > **SIM PIN**

Switch SIM card protection on and off, so users must enter the SIM card PIN code when they turn on the phone or insert a SIM card. See "Protecting the SIM Card" on page 158.

New Passwords $\boxed{=}$ > **Settings** > **Security** > **New Passwords**

Change your unlock code (originally set to 1234) or your security code (originally set to 000000). See "Assigning a New Code or Password" on page 153.

OTHER SETTINGS

Personalize $\boxed{=}$ > **Settings** > **Other Settings** > **Personalize**

Set several personal phone options:

Main Menu	Change the order of the main menu. (See "Reordering Menu Items" on page 143.)
Keys	Change the functions of the soft keys in the idle display. (See "Customizing a Soft Key Function" on page 144.)
Greeting	Change the text displayed when you turn on your phone
Quick Dial	Change quick dial number(s)

Initial Setup $\boxed{=}$ > **Settings** > **Other Settings** > **Initial Setup**

Set many basic phone options:

Time and Date	Set the phone's time and date

1-Touch Dial	Assign the 1-touch dial feature to numbers 1 through 9 in your phone memory phonebook or SIM card phonebook. (See "1-Touch Dial Preference" on page 101.)
Auto Redial	Use this option to turn on or turn off the automatic redial feature. When you turn on automatic redial, your phone automatically redials calls that fail due to busy conditions. (See "Using Automatic Redial" on page 35.)
Backlight	Set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power
Zoom	Switch between three lines (Zoom Out) and two lines (Zoom In) of display text
	Note: By default, your phone uses two lines to display Chinese characters. When your phone is set to display Chinese characters, the zoom setting is not available.

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Scroll	Force the cursor to stop or wrap around when it reaches the top or bottom of a list in the display
Animation	Turn animation off (to conserve the battery) or on. Animation makes your phone's menus move smoothly as you scroll up and down.
Language	Set the language for phone menus
Battery Save	Adjust the phone's power usage characteristics to conserve power
Contrast	Adjust the contrast setting for your display
DTMF	Your phone can send a number to the network as dual tone multi-frequency (DTMF) tones. DTMF tones are used to communicate with automated systems that require you to enter a number such as a code, password, or credit card number. Use this option to set DTMF tones to be long, short, or off.
Master Reset	Reset all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer

Master Clear   Reset all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer, *and* clear all user settings and entries

Note: This option *erases all user-entered information* stored in your phone's memory, including phonebook and datebook entries. Once you erase the information, it cannot be recovered.

Network   M > **Settings**
   > **Other Settings**
   > **Network**

View and adjust your phone's network settings.

Your service provider registers your phone to a network. You can view information about the current network, change how your phone searches for a network, specify your preferred networks, and activate alerts that indicate when a call is dropped or network registration changes.

Car Settings   M > **Settings**
   > **Other Settings**
   > **Car Settings**

Adjust hands-free car kit settings.

You can set your phone to route calls directly to the Easy-Install Hands-Free Kit when it detects a connection, and automatically answer calls after two rings. See "Hands-Free Use" on page 144.

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.

Headset M > Settings
> Other Settings
> Headset

Optional
Accessory

Set your phone to automatically answer calls after two rings when connected to a headset. See "Hands-Free Use" on page 144.

Recent Calls

You can use the recent calls menu to view received calls or dialed calls, retrieve the last number stored in the notepad, and view or reset call times and costs.

Viewing the Received Calls or Dialed Calls List

Your phone keeps lists of the numbers from 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. Each entry tells you the person's number (or name, if available) and whether the call connected or not. You can call, store, or delete the numbers on these lists.

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

To open the recent calls menu:

Find the Feature   `≡`> Recent Calls

Press	To
1 ⬦	scroll to Received Calls or Dialed Calls
2 SELECT (□)	select Received Calls or Dialed Calls
3 ⬦	scroll to an entry you want to call, store, or delete
	Note: ✓ means the call connected.

Press	To
4 $\textcircled{\small{\texttt{S}}}$	call the entry's number
	Tip: Press and hold $\textcircled{\small{\texttt{S}}}$ for two seconds to send the entry number as DTMF tones. To activate DTMF tones, see the "DTMF" item on page 76.
or	
$\boxed{\bullet}$	if **View** appears above the $\boxed{\bullet}$ key— view the entry's details
	if **Store** appears above the $\boxed{\bullet}$ key—store the entry's details in the phonebook
or	
$\boxed{\equiv}$	open the **Last Calls Menu** to perform other procedures as described in the following list

The **Last Calls Menu** includes the following options:

Option	Description
Store	Create a phonebook entry with the selected number in the **No.** field. (This option does not appear if **STORE** appears above the $\boxed{\bullet}$ key, or if the number is already stored as a phonebook entry.)
Delete	Delete the entry. (This option does not appear if **DELETE** appears above the $\boxed{\bullet}$ key.)

Option	Description
Delete All	Delete all entries in the current list.
Hide ID/Show ID	Hide (or show) your caller ID for the next call.
Send Message	Create a new text message, with the selected number in the `Tel No.` field. See "Sending a Text Message" on page 117.
Add Digits	Add digits to the end of the selected number.
Attach Number	Attach another number from the phonebook or recent calls list to the end of the selected number.
Send Tones	Send the selected number to the network as DTMF tones, for credit card calling or password entry. (This option is available only during an active call.) To activate DTMF tones, see the "DTMF" item on page 76.
Talk then Fax	Tell the network you want to call and talk to someone, and then send a fax—all to the same number in the same call. See "Sending a Talk then Fax Call" on page 152.

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Using the Notepad

Your phone uses a notepad to store the most recent string of digits entered—either for a phone number that you called or for a number that you entered but did not call.

To call the number, create a phonebook entry, or perform other operations with the number stored in the notepad:

Find the Feature   M > **Recent Calls** > **Notepad**

Press	To
N	call the number
or	
M	open the **Dialing Menu** (to attach a number or insert a special character)
	See "Additional Dialing Features" on page 41.
or STORE (+)	create a new phonebook entry, with the notepad number copied into the **No.** field.
	See "Storing a Phonebook Entry" on page 88.

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Viewing and Resetting Call Timers

Your phone tracks and records call times. Use the recent calls menu to view and reset a call timer.

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.

You can view the approximate network connection time elapsed during the following calls:

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

To view a call timer:

Find the Feature $\boxed{=}$ > Recent Calls
                      > Call Times

Press	To
1 $\S$	scroll to the timer you want to view
2 SELECT ($\boxed{\bullet}$)	view the recorded time

To reset the call timer:

Press	To
1 RESET ($\boxed{\bullet}$)	reset the time (if available)
2 YES ($\boxed{\bullet}$)	confirm the reset

Viewing and Resetting Call Costs

Your phone network can provide the following cost information:

Cost Tracker	Description
Credit Available	Amount of your credit remaining.
	For GSM advice-of-charge, this is only available if you set a credit limit.
	Note: Your phone receives cost information from the advice-of-charge feature or third-party prepay software.
Expiration Date	Date that the available credit expires (available only with a subscription to a prepay option).
Last Deposit	Amount of the last deposit (available only with a subscription to a prepay option).
Last Call	Amount spent on the last call you dialed or received. You cannot reset this cost tracker.
Dialed Calls	Amount spent on calls you dialed since the last time you reset this cost tracker.
Received Calls	Amount spent on calls you received since the last time you reset this cost tracker.

Cost Tracker	Description
All Calls	Amount spent on all dialed and received calls since the last time you reset this cost tracker.
	You can reset this value separate from **Dialed Calls** and **Received Calls**, so **Dialed Calls** plus **Received Calls** may not equal **All Calls**.

To view a cost tracker:

Find the Feature $\boxed{=}$ > Recent Calls
                      > Call Cost

Press	To
1 $\S$	scroll to the cost tracker you want to view
2 SELECT ($\boxed{\bullet}$)	view the recorded cost

To reset the cost tracker:

Press	To
1 RESET ($\boxed{\bullet}$)	reset the cost (if available)
2 OK ($\boxed{\bullet}$)	enter your PIN2 code to confirm the reset

Phonebook

You can store a list of names and phone numbers in your phone's electronic phonebook. You can view these entries and call them directly from your phone.

To see the list of names stored in your phonebook, press [≡] > **Phonebook** from the idle display. Scroll to a name and press **VIEW** ([●]) to view details of the phonebook entry as shown in the following display.

Fields in a Phonebook Entry Form

Voice Name indicator
indicates a recorded voice name

Entry's **Name**

Type indicator
identifies
number type:
 🏢 Work
 🏠 Home
 ☎ Main
 ▯ Mobile
 🖷 Fax
 🖶 Pager
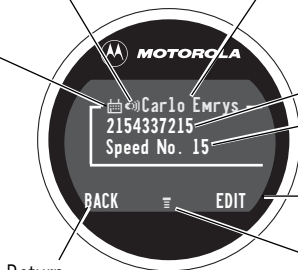
Entry's phone
number

Entry's speed
dial number

Edit
entry

Press [≡] to open
the **Phonebook Menu**

Return
to list

Note: Phonebook entries stored on the SIM card do not have **Type** or **Voice Name** information.

Storing a Phonebook Entry

A phone number is required for a phonebook entry. All other information is optional.

You can store a phonebook entry on your **phone** or on the **SIM card**. Entries with a speed dial number from 1 to 500 are stored on the phone. To store a phonebook entry on your SIM card, assign a speed dial number of 501 or higher to the entry when you create it. The total number of entries you can store on the SIM card is dependent on your service provider.

Shortcut: Enter a phone number in the idle display, then press STORE (⬡) to create a phonebook entry with the number in the **No.** field. Go directly to step 1 in the following procedure to enter additional information and store the entry.

Note: You can also use the following procedure to store a fixed dial entry by scrolling to and selecting **Fixed Dial**.

Enter Information

Find the Feature	≡ > **Phonebook**
	≡ > **New**

	Press	To
1	CHANGE (⬡)	select **Name**
2	keypad keys	enter a name for the phonebook entry (see "Entering Text" on page 53)
3	OK (⬡)	store the name
4	CHANGE (⬡)	select **No.**

Press		To
5	keypad keys	enter the phone number
6	OK ($\boxed{\bullet\setminus}$)	store the phone number
7	CHANGE ($\boxed{\bullet\setminus}$)	select **Type**
		Note: This option is not available for entries stored on a SIM card.
8	$\bigotimes$	scroll to the type of phone number
9	SELECT ($\boxed{\bullet\setminus}$)	select the number type
10	RECORD ($\boxed{\bullet\setminus}$)	record a **Voice Name** for the entry, if desired
	or	
	Go to step 11 if you do not want to record a voice name for the entry	See "Recording a Voice Name For a Phonebook Entry" on page 91.
		Note: This option is not available for entries stored on a SIM card.
11	$\bigotimes$	scroll to **Speed No.**, the number to *speed dial* the entry
		The next available speed dial number is assigned to a new phonebook number by default.
12	CHANGE ($\boxed{\bullet\setminus}$)	select **Speed No.** if you want to change it

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Press		To
13	keypad keys	enter a different speed number, if desired
		Note: Entries with a speed dial number from 1 to 500 are stored on the phone. Entries with a speed dial number of 501 or higher are stored on the SIM card.
14	OK (`□`)	save the modified speed number
		If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.
15	SELECT (`□`)	select **MORE** if you want to create another entry with the same **Name**
		Note: You must enter a name and number to use this option.

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (`□`)	store the entry and return to the phonebook list

Recording a Voice Name For a Phonebook Entry

You can record a voice name when you create a new phonebook entry, or when you edit a previously stored phonebook entry. This lets you use voice dial to call the number without dialing (see "Voice Dial Using a Soft Key" on page 93).

Note: You cannot record a voice name for an entry stored on a SIM card.

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

Find the Feature $\boxed{=}$ > Phonebook

Do This		To
1	Press $\bigvee$	scroll to the entry that needs a voice name
2	Press VIEW ($\boxed{\bullet}$)	display the entry's detailed view
3	Press EDIT ($\boxed{\bullet}$)	edit the phonebook entry
4	Press $\bigvee$	scroll to Voice Name
5	Press RECORD ($\boxed{\bullet}$)	begin the recording process
		The phone displays Press RECORD Key then say name.

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Do This	**To**
6 Press and release RECORD (`□`) and say the entry's name (in two seconds)	record the voice name
	The phone displays **Press RECORD Key then REPEAT name**.
7 Press the voice key and repeat the name	confirm the voice name
	The phone displays **Trained: Voice Name**.

Dialing a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or 1-touch dial to call a number stored in your phonebook. To use speed dial, see "Dialing With Speed Dial" on page 39. To use 1-touch dial, see "Dialing With 1-Touch Dial" on page 40.

Phonebook List

To call a number in the phonebook list:

Find the Feature `□` > **Phonebook**

Press	**To**
1 `⌀`	scroll to the entry you want to call
2 `⟨⟩`	send the call

Voice Dial Using a Soft Key

To call a number using voice dial via a soft key:

Do This	Result
Press and release /•\ and speak the entry's pre-recorded name (within two seconds).	Your phone goes to the entry in the phonebook list, repeats the voice name, pauses two seconds, then automatically dials the call.

To pre-record a phonebook entry name, see "Recording a Voice Name For a Phonebook Entry" on page 91.

Voice Dial Using the Menu

To call a number using voice dial via the menu:

Find the Feature   ⊡ > Voice Dial

	Do This	To
1	Press SELECT (/•\)	activate the voice dial mechanism
		the phone displays Say Name Now
2	Say the pre-recorded phonebook entry name	to select the entry to be dialed

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Editing a Phonebook Entry

You can edit a phonebook entry stored on your phone or the SIM card.

Notes:

- If you change an entry's speed dial number, the entry is moved to the new speed dial location and the original entry is deleted. Entries with a speed dial number from 1 to 500 are stored on the phone. Entries with a speed dial number of 501 or higher are stored on the SIM card.

- You can also use the following procedure to edit a fixed dial entry by scrolling to and selecting **Fixed Dial**.

Find the Feature   M > **Phonebook**

Press	To
1 S	scroll to the entry you want to edit
2 VIEW (□)	display the entry's detailed view
3 EDIT (□)	edit the phonebook entry

Edit a phonebook entry or fixed dial entry by following the procedures described in "Storing a Phonebook Entry" on page 88.

Deleting a Phonebook Entry

To delete a phonebook entry:

Find the Feature $\boxed{\equiv}$ > Phonebook

	Press	To
1	$\S$	scroll to the entry you want to delete
2	$\boxed{\equiv}$	open the Phonebook Menu
3	$\S$	scroll to Delete
4	SELECT ($\boxed{\bullet}$)	select Delete
5	YES ($\boxed{\bullet}$)	confirm the deletion

Copying Phonebook Entries Between the Phone and SIM Card

You can copy one or more phonebook entries from your phone to the SIM card or from the SIM card to your phone.

Notes:

- This procedure copies the original entry to a new location. It does *not* delete the original entry.

- The SIM card cannot store Type and Voice Name data for entries. If you try to copy an entry with a type or voice name to the SIM card, the phone asks you for confirmation before dropping this information and copying the entry.

Copy a Single Entry

To copy a single phonebook entry from your phone to the SIM card or from the SIM card to your phone:

Find the Feature $\boxed{=}$ > Phonebook

Press	To
1 $\begin{smallmatrix}Q\\Q\end{smallmatrix}$	scroll to the entry you want to copy
	Note: Entries with a speed dial number from 1 to 500 are stored on the phone. Entries with a speed dial number of 501 or higher are stored on the SIM card.
2 $\boxed{=}$	open the Phonebook Menu
3 $\begin{smallmatrix}Q\\Q\end{smallmatrix}$	scroll to Copy Entry
4 SELECT ($\boxed{\bullet}$)	select Copy Entry
	The phone displays the Copy To form, with the next available speed dial number.
5 keypad keys	edit the speed dial number on the Copy To form
6 OK ($\boxed{\bullet}$)	approve the copy to the speed dial number
	The phone displays the Stored message. You can now delete the old phonebook entry, if desired.

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Copy Multiple Entries

To copy multiple phonebook entries from your phone to the SIM card or from the SIM card to your phone:

Find the Feature $\boxed{=}$ > Phonebook

Press	To
1 $\boxed{=}$	open the Phonebook Menu
2 $\mathcal{B}$	scroll to Copy Entries
3 SELECT ($\boxed{\bullet}$)	select Copy Entries
	The phone displays the Copy Entries form.
4 $\mathcal{B}$	scroll to From (start)
5 CHANGE ($\boxed{\bullet}$)	select From (start)
6 keypad keys	enter the first (lowest) speed dial number in the range of entries that you want to copy
	Note: Entries with a speed dial number from 1 to 500 are stored on the phone. Entries with a speed dial number of 501 or higher are stored on the SIM card.
7 OK ($\boxed{\bullet}$)	store the number and return to the Copy Entries form
8 $\mathcal{B}$	scroll to From (end)
9 CHANGE ($\boxed{\bullet}$)	select From (end)

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Press		To
10	keypad keys	enter the last (highest) speed dial number in the range of entries that you want to copy
11	OK (□\)	store the number and return to the **Copy Entries** menu
12	§	scroll to **To (start)**
13	CHANGE (□\)	select **To (start)**
14	keypad keys	enter the first (lowest) new speed dial number for the entries' new location
15	OK (□\)	store the number and return to the **Copy Entries** menu
16	DONE (/□\)	copy the entries
		The phone displays the **Copied Entries** message. You can now delete the old entries, if desired.

Checking Phonebook Capacity

You can check phonebook capacity to see how much space is left for storing phonebook entries on your phone and on the SIM card. For entries stored on the phone, your phone displays a memory meter that shows how much memory space remains to store phonebook and datebook entries. For the SIM card, your phone lists the number of phonebook entries used and the number available.

Find the Feature $\boxed{=}$ > Phonebook

Press	To
1 $\boxed{=}$	open the Phonebook Menu
2 $\big\langle$	scroll to Phone Capacity
3 SELECT ($\boxed{\bullet}$)	select Phone Capacity
	Your phone displays the phone memory meter, or the number of SIM card phonebook entries available.

Synchronizing with TrueSync Software

Optional Accessory

You can synchronize phonebook entries between your phone and computer or hand-held device with Starfish TrueSync® software, a Motorola accessory product. 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.

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Setting Up the Phonebook

You can specify the sort order for your phonebook entries and the location of your 1-touch dial entries.

Phonebook List Sort Preference

You can set up your phone to sort your phonebook list by speed dial number (the standard), name, or voice dial.

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

Find the Feature $\boxed{=}$ > Phonebook

Press	To
1 $\boxed{=}$	open the Phonebook Menu
2 $\begin{matrix}\bigcirc\\\bigcirc\end{matrix}$	scroll to Setup
3 SELECT ($\boxed{\bullet}$)	select Setup
4 $\begin{matrix}\bigcirc\\\bigcirc\end{matrix}$	scroll to Sort by
5 CHANGE ($\boxed{\bullet}$)	select Sort by
6 $\begin{matrix}\bigcirc\\\bigcirc\end{matrix}$	scroll to the entry you want
7 SELECT ($\boxed{\bullet}$)	select the entry you want

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1-Touch Dial Preference

Your phone lets you specify whether your 1-touch dial entries are located on the phone or the SIM card:

Find the Feature   M > Settings > Other Settings
                        > Initial Setup

Press	To
1 $\mathcal{Q}$	scroll to 1-Touch Dial
2 CHANGE ($\boxed{\bullet}$)	select 1-Touch Dial
3 $\mathcal{Q}$	scroll to the list you want
4 SELECT ($\boxed{\bullet}$)	select the list you want

Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. You can review your schedule of events for the week or by the day, and have the datebook play a reminder alarm for specific events.

Note: You must set the correct time and date in order to use the datebook. Use the `Time and Date` feature (see page 74) to set the time and date.

To schedule or review events in the datebook:

Find the Feature `≡` > `Datebook`

Week View

When you open the datebook, your phone displays a calendar for the week. Lines or filled boxes under each day indicate scheduled events.

Untimed event

12 hour window

Exit the datebook

Full day (12-hour) event scheduled

Days of week (press `⊛` (left) or `#` (right) to select)

One-hour event

Go to selected day

Press `≡` to open the `Datebook Menu`
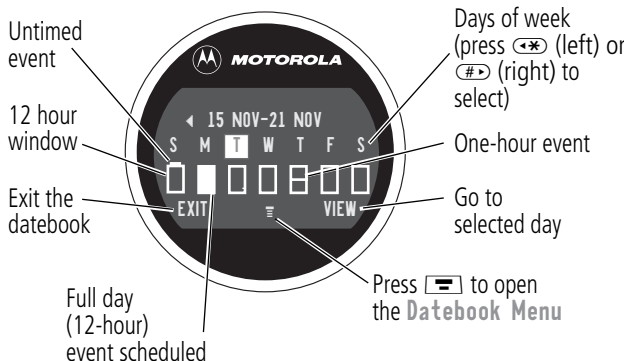
Day View

Select a day in the week view and press VIEW ([●]) to see the day's events. You can store, edit, view, copy, and delete any event from the day view.

Untimed event

Down scroll arrow

Return to previous screen

Press [≡] to open the Datebook Menu

Day of week

Alarm

Event

Show event details

```
(M) MOTOROLA
    ◄  THU 19-NOV  ►
    • Joe's B-day
    9:00 ☺ Marie,...
BACK     ≡     VIEW
```
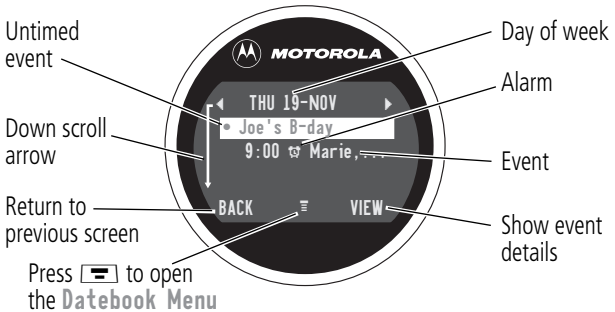
Event View

Select an event in the day view and press VIEW ([●]) to open the detailed event view. You can edit, copy, and delete events from the event view.

Alarm

Down scroll arrow

Return to previous screen

Day and time

Event details

Edit event

Press [≡] to open the Datebook Menu

```
(M) MOTOROLA
☺ THU 9:00 AM ──
Marie, мtg about
new product
BACK     ≡     EDIT
```

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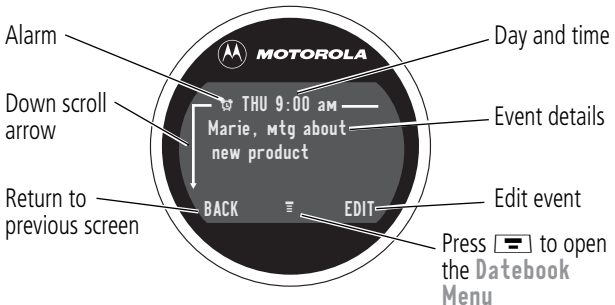
Storing a New Event

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

Find the Feature $\boxed{=}$ > Datebook > *day*
                         $\boxed{=}$ > New

See "Selecting a Feature" on page 50 for instructions on scrolling to and selecting options.

Press		To
1	CHANGE ($\boxed{\bullet}$)	select Title
2	keypad keys	enter a title for the event (see "Entering Text" on page 53)
3	OK ($\boxed{\bullet}$)	store the event title
4	$\begin{smallmatrix}\bigcirc\\\bigcirc\end{smallmatrix}$	scroll to other fields and enter information as necessary
		Other fields let you enter start time, duration, date, repeating events, and reminder alarm.
5	DONE ($\boxed{\bullet}$)	store the new event and return to the day view

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Changing Event Information

To change information about an existing event:

Find the Feature ⬛ > Datebook

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

Copying an Event

To copy information from a current event to a new event:

Find the Feature $\boxed{=}$ > Datebook

	Press	To
1	$\mathcal{G}$	scroll to the scheduled event day
2	VIEW ($\boxed{\bullet}$)	display the day view
3	$\mathcal{G}$	scroll to the event to copy
4	$\boxed{=}$	open the Datebook Menu
5	$\mathcal{G}$	scroll to Copy
6	SELECT ($\boxed{\bullet}$)	copy the event
7	YES ($\boxed{\bullet}$)	confirm the copy
		Your phone assumes that you want to change the date, and displays the Date field.
8	keypad keys	enter the date information
9	▶ ($\boxed{\bullet}$)	move to the month, day, and year
10	DONE ($\boxed{\bullet}$)	save the copy of the event
11	$\mathcal{G}$	scroll to event details and edit the information as necessary
12	DONE ($\boxed{\bullet}$)	store the new event and return to the day view

Deleting an Event

Find the Feature $\boxed{=}$ > Datebook

	Press	To
1	$\mathcal{\&}$	scroll to the scheduled event day
2	VIEW ($\boxed{\bullet}$)	display the day view
3	$\mathcal{\&}$	scroll to the event to delete
4	$\boxed{=}$	open the Datebook Menu
5	$\mathcal{\&}$	scroll to Delete
6	SELECT ($\boxed{\bullet}$)	select Delete
		For non-repeating events, go to step 7. For repeating events, the phone displays a delete event menu:
	a $\mathcal{\&}$	scroll to This Event Only or Repeat Events
	b SELECT ($\boxed{\bullet}$)	select the event(s) to delete
7	YES ($\boxed{\bullet}$)	confirm the deletion
		The phone briefly displays a Deleted: message and returns you to the day view.

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Radio

You can use your phone to tune, store presets, and listen to FM radio stations when you use the optional Motorola Original™ FM Stereo Radio Headset with your phone.

Turning the Radio On and Off

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

Note: The Radio (⬒) soft key option appears only when the FM Stereo Radio Headset is plugged into the accessory connector port.

Tuning a Station

Do This	To
Press ◌	scroll up or down to the next frequency
or	
Press and hold ◌	scroll up or down to the next available stereo station

Storing a Preset

To store a station to a preset that you can recall later:

Do This	To
Press and hold a number key ($\boxed{1}$ to $\boxed{9_{wxyz}}$)	assign its preset number to the tuned station

Selecting a Preset

To select a preset radio station:

Press	To
a number key ($\boxed{1}$ to $\boxed{9_{wxyz}}$)	tune the station stored at that preset location

Sending and Receiving Calls With the Radio On

Your phone interrupts the radio signal and rings or vibrates as usual to notify you of an incoming call, message, or other event. When you receive a call:

Do This	To
Press **IGNORE** ($\boxed{\bullet}$)	ignore the call
Press **ANSWER** ($\boxed{\bullet}$)	answer the call
or Press the button on the FM Stereo Radio Headset microphone	**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:

Do This	To
Press ⊙☎	end the call
or	
Press and hold the button on the FM Stereo Radio Headset microphone	

Turn the radio off before dialing outgoing calls. You do not have to turn off the FM radio feature to dial emergency numbers or numbers selected from your phonebook or other 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 more information, see "Recent Calls" on page 79.

Messages—Voicemail

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone. Contact your service provider for more details.

Storing Your Voicemail Number

Store your voicemail number in your phone to make it faster and easier to use voicemail. Your voicemail number is provided by your service provider.

Find the Feature   M > **Messages**
                        M > **VoiceMail Setup**

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

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays **New VoiceMail** ✉. (Some networks only indicate when you have messages, whether they are new or not.) If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, listen to the message, or turn off your phone. (See "Reminders" on page 140.)

From the new message notification:

Do This	To
Press **CALL** ($\boxed{\bullet}$)	call your voicemail phone number and listen to the message

Listening to a Voicemail Message

To listen to your voicemail messages at any time:

Find the Feature $\boxed{=}$ > **Messages** > **VoiceMail**

Your phone calls the voicemail phone number you stored. If you do not have a voicemail number stored, the phone guides you through storing a number.

Messages—Text

Text messages are brief messages that you can send and receive (such as `Where are we meeting?`). Received messages appear on your phone display or in your text message inbox.

You must set up the text message inbox *before* you can send and receive these messages. The total number of messages the inbox can hold depends on the length of the messages, and the number of other messages and drafts stored in your phone.

Note: Your service provider may have already programmed the text message inbox settings for you.

Setting Up the Text Message Inbox

Find the Feature	`≡` > `Messages`
	`≡` > `Text Msg Setup`

Press	To
1 `◊`	scroll to `Srvce Center No.`
2 `CHANGE (•)`	change the `Srvce Center No.` which is provided by your service provider
3 keypad keys	enter the phone number for the service center that handles your outgoing messages
4 `OK (•)`	store your service center number
5 `CHANGE (•)`	change the `Expire After` period

Press		To
6	keypad keys	enter the expiration period—the number of days your network tries to send unreceived messages
7	OK (◉)	store the expiration period
8	CHANGE (◉)	change the **Reply Type**
9	𝄞	scroll to the default type of replies you want to send—text messages, or other formats
10	OK (◉)	store the reply type
11	CHANGE (◉)	change the **Cleanup** setting
12	𝄞	scroll to the period of time that messages stay in your inbox
13	SELECT (◉)	select the cleanup period
		If you select **Custom**, continue. Otherwise, the procedure is complete.
14	𝄞	change the entry for the number or label
15	𝄞	switch between the number and the label
16	DONE (◉)	store the custom cleanup period after you finish entering all information

Receiving a Text Message

Note: You must set up the text message inbox before you can receive text messages. See "Setting Up the Text Message Inbox" on page 113.

When you receive a new message, your phone displays **New Message** ✉ and gives an alert. If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, read the message, or turn off your phone. (See "Reminders" on page 140.)

When your inbox is full, any new message replaces the oldest unlocked message.

From the new message notification:

Press	To
READ (⬜)	open the message (or your text message inbox if there are multiple messages)

Reading, Locking, or Deleting a Text Message

You can open your text message inbox to read, lock, or delete messages at any time.

Messages in the text message inbox are sorted from newest to oldest. The oldest messages are deleted as new ones are added. If you want to save a message, you should lock it to prevent it from being overwritten as new messages are received.

Find the Feature $\boxed{=}$ > **Messages** > **Text Msgs**

Press		To
1	$\text8$	scroll to the message you want ($\boxdot!$ = unread and urgent, $\triangleq$ = read, $\textbf{\Lock}$ = read and locked)
2	READ ($\boxed{\bullet}$)	open the message
3	SAVE ($\boxed{\bullet}$—right)	close the message without changes
	or	
	DELETE ($\boxed{\bullet}$—left)	delete the message
	or	
	$\boxed{=}$	open the **Text Msg Menu** to perform other procedures as described in the following list

The **Text Msg Menu** includes the following options:

Option	Description
Call Back	Call the number in the message header or the message text.
Go To	Go to a Web address (URL) in the message.
Reply	Open a new text message, with the message's **Reply To** number in the **To** field.
Forward	Open a copy of the text message, with an empty **To** field.

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Option	Description
Lock/Unlock	Lock or unlock the message.
Store Number	Open a new phonebook entry with the message's embedded number in the No. field.
Delete **or** Delete All	Delete the message or all inbox messages. Press Yes (⌐•⌐) to confirm the deletion.
Create Message	Open a new text message form.
Setup	Open the inbox setup menu.

Sending a Text Message

You can create and send a text message to one or more recipients. The text message feature lets you manually enter each recipient's phone number, or select one or more numbers from the phonebook or recent calls lists.

Note: When you manually enter multiple phone numbers in the To field, you must insert a space between each number. Press and hold ⊂⊃ to insert a space as needed.

Find the Feature   [☰] > Messages
                          [☰] > Create Message

Press	To
1 CHANGE (⌐•⌐)	select To

Press		To
2	keypad keys	enter one or more phone numbers where you want to send the message
		Tip: Remember to press and hold $\boxed{1}$ to add a space between numbers that you enter manually.
	or	
	BROWSE ($\boxed{\bullet}$)	select one or more phone numbers from the phonebook or recent calls lists
3	OK ($\boxed{\bullet}$)	store the number(s)
4	CHANGE ($\boxed{\bullet}$)	select **Msg**
5	keypad keys	enter the text message (see "Entering Text" on page 53)
		Note: Message length is limited. When 40 or fewer characters remain, a two-digit counter at the top of the display shows how many are left.
6	OK ($\boxed{\bullet}$)	store the text message
7	DONE ($\boxed{\bullet}$)	finish the message
		Your phone displays **Send Message Now?**

Press	To
8 YES ($\boxed{\bullet}$)	send the message
or	
NO ($\boxed{\bullet}$)	cancel the message or save it as a draft
	A saved message is stored in the drafts folder, where you can edit it and send it at a later time.

Viewing the Status of Sent Text Messages

Text messages that you send are stored in the outbox. To view the contents of your outbox:

Find the Feature $\boxed{=}$ > Messages > Outbox

Messages are sorted from newest to oldest.

The following icons indicate message status:

$\gg$ = sending in progress $\boxtimes$ = delivered

$\times$ = sending failed

Shortcuts

Your phone includes several pre-programmed shortcuts. You can create additional shortcuts, if you like, to mark frequently used menu items.

Standard Shortcuts

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

Do This	To
Press ⊟, then press and hold ⊟ (within two seconds)	zoom in/out your phone's display view
	(See "Changing the Zoom Setting" on page 30.)
Press ⊟ ⊞	display your phone number
Press ⊏	go to the dialed calls list
	(See "Recent Calls" on page 79.)
Press ⊙	exit the menu system, return to the idle display

User-Settable Shortcuts

You can create shortcuts to many menu features and applications. A shortcut takes you directly to the menu item, or performs the menu action (if applicable).

Creating a Shortcut

To assign a keypad shortcut:

Do This	To
1 Press ▣	enter the menu system
2 Scroll to the item to which you want to assign a shortcut	highlight the menu item
3 Press and hold ▣	open the shortcut editor
	The phone displays:
	Assign Shortcut for: "*Item*"?
	where *Item* is the name of the item you selected.
4 Press YES (⚬)	view shortcut options
5 Press CHANGE (⚬)	change the keypad shortcut number, if necessary
or	
Press DONE (⚬)	select the default keypad shortcut number and close the shortcut editor

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Using Shortcuts

You can use a shortcut from the idle display, while on a call, or while scrolling through a menu.

Use a Keypad Shortcut

If you know the shortcut number:

Press	To
1 ⬜	open the menu
2 the shortcut's number	go to the menu item, or perform the menu action

Select a Shortcut From the List

To select a shortcut from the shortcut list:

Find the Feature ⬜ > **Shortcuts**
> *the shortcut you want*

Micro-Browser

The micro-browser lets you access Web pages and Web-based applications (such as on-line banking, shopping, and games) on your phone. Contact your service provider to set up access, if necessary.

Note: Your phone may be configured to use a high-speed GPRS (General Packet Radio Service) network connection. This type of connection can be identified by a GPRS indicator in the idle display that disappears when you start a micro-browser session. If a C (connected call) indicator is displayed when you start a micro-browser session, your phone is using a standard voice channel connection. Your network connection charges may vary depending on the type of connection used.

Starting a Micro-Browser Session

To open the micro-browser:

Find the Feature   M > Browser

The micro-browser displays the home page set up by your service provider.

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

Shortcut: If you open a text message with a Web address (URL) in it, you can go directly to the URL by selecting M > Go To.

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

Interacting With Web Pages

You can perform the following operations on a Web page:

Do This	To
Press $\S$	scroll through a text message
Press $\S$ and then SELECT ($\boxed{\bullet}$)	scroll through and select items in a list
Press keypad keys and then OK ($\boxed{\bullet}$)	enter requested information
	Tip: Press $\circledast$ to delete one letter at a time if you make a mistake.
Press $\S$ to scroll to a phone number on a Web page, then press $\circledcirc$	call the number from the micro-browser
Press $\circledast$ and $\circledcirc$	go back to the previous Web page
Press $\boxed{=}$	open the Browser Menu

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Calculator

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

Calculating Numbers

Find the Feature $\boxed{=}$ > Calculator

Press	To
1 number keys	enter a number in the calculator
2 ⊛ (left) or #⊳ (right)	highlight a calculator function
3 SELECT (□⟍)	perform the highlighted function

Selected function appears here

Press ⊛ (left) or #⊳ (right) to highlight a function and to view unseen functions by scrolling left/right

Exit the calculator

Entered number

Press ⊛ (left) or #⊳ (right) to scroll to other functions

Perform the highlighted function

Press $\boxed{=}$ to open the Calculator Menu
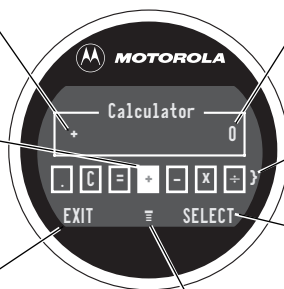
Ⓜ *MOTOROLA*

— Calculator — 0

EXIT   ≡   SELECT

The calculator can perform the following functions:

Function	Description
.	Insert a decimal point
C	Clear the calculation
CE	Clear entry (replaces the C function when you enter subsequent values in a calculation)
+	Add
−	Subtract
x	Multiply
÷	Divide
%	Divide the displayed value by 100
$	Calculate the exchange rate
+−	Change the entry's sign (positive/negative)
MR	Recall the value stored in memory
MS	Store the displayed number in memory
MC	Clear memory

Converting Currency

The currency converter works just like the calculator, but uses the **$** (currency) function:

Find the Feature   [≡] > Calculator
                       [≡] > Exchange Rate

Press		To
1	number keys	enter the exchange rate
2	OK ([•\])	store the exchange rate
3	number keys	enter the amount to convert (amount to multiply by the exchange rate)
4	⊛ (left) or #⊳ (right)	highlight the **$** function
5	SELECT ([•\])	perform the conversion

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Games

Your phone contains three games that you can play between phone calls. If you get an incoming call, message, alarm, or alert, the game ends automatically.

Selecting and Starting a New Game

Find the Feature $\boxed{=}$ > Games

Press	To
1 $\overset{Q}{\circ}$	scroll to the game of your choice
2 SELECT ($\boxed{\bullet}$)	start the game

When the game is over, you can play another session of the same game or return to the games menu.

Press	To
BACK ($\boxed{\bullet}$—left)	return to the games menu
or	
NO ($\boxed{\bullet}$—left)	
NEW ($\boxed{\bullet}$—right)	start another session of the game you just played
or	
YES ($\boxed{\bullet}$—right)	

Ending a Game

You can end a game at any time.

Press	To
BACK ($\fbox{•}$)	end the game session and return to the games menu
or	
$\textcircled{\tiny{\raisebox{1pt}{\small O}\hspace{-2pt}\boldmath$\approx$}}$	

Playing a Game

Blackjack

In this classic Las Vegas card game, you play against the dealer to see who can get closer to 21 points without going over.

Rules of the game

- With each new hand, the first card is dealt to the dealer. The dealer's cards are shown at the top of the display, and your cards are shown at the bottom.

- All face cards count as 10 points.

- All number cards count as the points shown on their face.

- An Ace counts as 11 points, unless that would put you over 21 points. Otherwise, an Ace is counted as 1 point. An Ace that was originally counted as 11 may later be counted as 1 point if it will bring your points under or equal to 21 points.

- An initial deal of an Ace and a card with a face value of 10 points counts as exactly 21 points or Blackjack.

- Blackjack automatically wins against any other hand that totals 21 points.

- If you score more than 21 points, you go "bust" or lose.

- If you get five cards without going bust, you win.

- If you and the dealer have the same score, the dealer wins.

- You can ask for a "hit" or another card as long as you do not go bust.

- As long as the dealer's total is less than 17 points, the dealer must continue to take a hit.

How to Play

When the game begins, you are dealt two cards. Based on their total face value, you can:

Press	To
STAY (⟋•⟍)	see the results of the hand
HIT ME (⟍•⟋)	request another card

Mindblaster

Your goal is to guess a secret four-symbol code. You play by entering symbols into four spaces and then submitting a guess.

Rules of the Game

- Your score is the number of guesses it takes to reveal the secret code.

- When you submit a guess, you are given clues that indicate how many symbols you have identified correctly and how many are in the correct position. The position of the clues does *not* correspond to the location of the symbols.

    ■ = correct symbol in correct position

    ◨ = correct symbol in wrong position

    □ = wrong symbol in wrong position

- You can see a history of your last 10 guesses.

- Once you enter a symbol into a blank space, you can change the symbol but you cannot make the space blank again.

- When you correctly guess the four-symbol code, the display shows your score and the level of your next game.

- After you win one game, you progress from level 1 to level 2.

- After you win two more games, you progress from level 2 to level 3.

- When you exit the game or turn off the phone, you begin again at level 1.

How to Play

When the game begins, you see four blank spaces. To play the game:

Do This	To
Press ⬅ (left) or ⮕ (right)	move from space to space
Press 🕎	place a symbol in a space
Press GUESS (🕎)	submit a guess (when all four spaces contain symbols)
Select ⬍ and then press 🕎	scroll through and view a history of your last 10 guesses

Paddleball

In this test of endurance, your mission is move your paddle to strike a bouncing ball. The more you succeed, the smaller your paddle gets.

Rules of the game

- Your score is the number of times your paddle hits the ball.
- You lose when the paddle misses the ball.

How to play

Press	To
🕎	move your paddle so that it hits the bouncing ball

Adjusting Your Settings ⚒

You can adjust a wide variety of phone settings to suit your needs.

Ring/Vibrate

Your phone rings or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. You can select one of five different alert profiles:

△》	Loud ring	△》	Soft ring
⏹◁⏹	Vibrate	》△	Ring and vibrate
△ᶻᶻ	Silent		

The alert setting indicator in your display shows the current alert profile (see illustration on page 28).

Each alert profile contains settings for ringer and keypad volume. It also includes alert tone settings for different events: incoming calls, text messages, voicemail messages, data calls, fax calls, alarms, and reminders. You can modify the settings in each profile.

Select an Alert Profile

Find the Feature   ⬜ > Settings > Ring/Vibrate
> Alert

Press	To
1 ⟨	scroll to the alert profile you want to use

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Press	To
2 SELECT (`■`)	select the alert profile
	The phone displays the Changed: Alert message.

Customize an Alert Profile

You can customize a profile by changing the alerts used for specific events (such as incoming calls, text messages, etc.). Your phone includes a variety of preset alert tones and vibrations. Any changes you make are saved to the current alert profile.

Tip: This feature also lets you set the profile's ringer volume and keypad volume.

Find the Feature   `≡` > Settings > Ring/Vibrate > *Alert* Detail

Press	To
1 `⚆`	scroll to the event for which you want to set a new alert
2 CHANGE (`■`)	select the event
	The phone displays the list of available alerts.
3 `⚆`	scroll to the alert you want for the event
4 SELECT (`■`)	select the alert
	The phone displays the Changed: *Event Alert* message.

Use the My Tones Feature

The my tones feature lets you create up to 32 custom alert tones for your phone. The tones you create appear in the list of available alerts (see "Customize an Alert Profile" on page 134).

Creating a Tone

Find the Feature   M > Settings > Ring/Vibrate
                         > My Tones

Press	To
1 S	scroll to [New Tone]
2 SELECT (■)	select [New Tone]
3 CHANGE (■)	select Notes
4 keypad keys	enter notes for the tone (see "Entering Notes" on page 136)
5 OK (■)	store the notes
6 CHANGE (■)	select Name
7 keypad keys	enter the name for the tone
8 OK (■)	store the name
9 DONE (■)	store the tone

Entering Notes

To create a new tone, use the keypad keys to enter each note. Press a key multiple times to cycle through its available notes or options (pitch, octave, or length). The default setting for a new tone is a quarter note in octave two.

Key	Display	Description
①	1	set octave one
	2	set octave two
	3	set octave three
②ABC	A	note A
	B	note B
	C	note C
	2	set octave two
③DEF	D	note D
	E	note E
	F	note F
	3	set octave three
④GHI	G	note G
	R	rest
⑦PQRS	#	sharp
	b	flat
⓪+	q	quarter note or quarter rest
	h	half note or half rest
	w	whole note or whole rest
◀✱		move cursor left
#▶		move cursor right

Enter a note as follows:

Task	Action
Change the octave	Set the new octave (1, 2, or 3) *before* selecting the note. The new octave applies to the note and all following notes until you change it again.
Select the note (required)	Press a keypad key to enter a note.
Change a note to a sharp or flat	Enter a sharp or flat (# or b) *after* selecting the note.
	Some sharps and flats are played as standard notes. For example, B# is the same as C. Press 𝄞 to scroll to valid notes when entering a new note.
Change a note's length	Set the new length (h, w, or q) *after* selecting the note. The new length applies to the note and all following notes until you change it again.
Add a rest	Enter one or more rests (R characters) as needed in the tone sequence. You can set the length of the rest by entering an h, w, or q character *after* the rest, just as you can for a note.
Listen to a new tone as you compose it	Press ▭ to enter the Compose Menu, and select Play All to play the notes you have entered.

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Example

Press these keys to play 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 ① ① ①	set octave three	**3**
2 ②ABC ②ABC ②ABC	enter a quarter note C	**C**
3 ③DEF ③DEF ⑦PQRS ⑦PQRS	enter a quarter note E flat	**Eb**
4 ④GHI ④GHI ⓪+ ⓪+	enter a half rest	**Rh**
5 ④GHI ⓪+ ⓪+ ⓪+	enter a whole note G	**Gw**

Playing a Tone

Find the Feature ☰ > Settings > Ring/Vibrate > My Tones

Press	To
1 ⑧	scroll to the tone you want to play
2 ☰	open the My Tones Menu
3 ⑧	scroll to Play
4 SELECT (⬤)	select Play
	The phone displays the playback meter and plays the tone.

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Press	To
5 PLAY (⬤)	play the tone again
or	
CANCEL (⬤)	return to the my tones list

Editing a Tone

You cannot edit the standard alert tones included with your phone. To edit a custom tone that you created:

Find the Feature   M > Settings > Ring/Vibrate
                          > My Tones

Press	To
1 🔾	scroll to the tone you want to edit
2 EDIT (⬤)	open the tone details
3 🔾	scroll to the details you want to edit (**Name** or **Notes**)
4 CHANGE (⬤)	select the details you want to edit
5 keypad keys	enter new text or notes (see "Entering Notes" on page 136)
6 OK (⬤)	store the details

Deleting a Tone

You cannot delete the standard alert tones included with your phone. To delete a custom tone that you created:

Find the Feature   M > Settings > Ring/Vibrate
                          > My Tones

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Press	To
1 $\bigotimes$	scroll to the tone you want to delete
2 $\boxed{\equiv}$	open the My Tones Menu
3 $\bigotimes$	scroll to Delete
4 SELECT ($\boxed{\bullet}$)	select Delete
5 YES ($\boxed{\bullet}$)	confirm the deletion

Reminders

Reminders are alerts that ring or vibrate to notify you about a voicemail or text message you have received, or a datebook event you have scheduled.

To set or turn off reminders:

Find the Feature $\boxed{\equiv}$ > Settings > Ring/Vibrate
> *Alert* Detail > Reminders

Press	To
1 $\bigotimes$	scroll to the reminder alert you want: **Beep**, **Vibrate**, or **Off**
	Beep or **Vibrate** sets the corresponding reminder alert type. **Off** turns off all reminders.
2 SELECT ($\boxed{\bullet}$)	select the reminder alert

Call Forwarding

Call forwarding sends your phone's incoming voice, fax, and/or data calls directly to another phone number. Use call forwarding options to specify which calls your phone should forward. When you are ready to accept calls on your phone again, you can turn off call forwarding.

Set Up or Cancel Call Forwarding

The call forwarding options for voice, fax, or data calls are:

All Calls	forwards all calls
If Unavailable	forwards calls if your phone is unavailable
Detailed	uses different forwarding numbers if you are out of range, unable to answer, or busy (*voice calls only*)
Off	does not forward calls

Find the Feature `≡ > Settings > Call Forward`

Press	To
1 ⦚	scroll to the type of calls you want to forward
	(Cancel All cancels all call forwarding and ends the procedure.)
2 SELECT (◉)	open the call forward details for that call type

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Press		To
3	$\mathcal{g}$	scroll to **Forward**
4	CHANGE ($\boxed{\bullet}$)	change the **Forward** option
5	$\mathcal{g}$	scroll to the call forward option you want
6	SELECT ($\boxed{\bullet}$)	store the option
7	$\mathcal{g}$	scroll to **To** (same for **If Busy**, **If No Answer**, or **If Unreachable**)
8	CHANGE ($\boxed{\bullet}$)	change the phone number
9	keypad keys	enter the forwarding phone number
	or	
	BROWSE ($\boxed{\bullet}$)	browse through your phonebook or other lists for the forwarding phone number
10	OK ($\boxed{\bullet}$)	store the forwarding phone number

Note: You can repeat this procedure to enter forwarding information for other call types.

Check Call Forwarding Status

Your network may store call forwarding status for you. If you change your phone's call forward settings (see "Set Up or Cancel Call Forwarding" on page 141), then you should confirm that the network call forward status matches your preferences.

Find the Feature $\boxed{\equiv}$ > **Settings** > **Call Forward**
                          > **Forward Status**

Press	To
1 $\big\langle$	scroll to **Voice**, **Fax**, or **Data** calls
2 View ($\boxed{\bullet}$)	confirm that the network settings are correct

Reordering Menu Items

You can customize the order of the items in your phone's main menu, depending upon your usage.

Find the Feature $\boxed{\equiv}$ > **Settings** > **Other Settings** > **Personalize** > **Main Menu**

Press	To
1 $\big\langle$	scroll to the menu item you want to move
2 GRAB ($\boxed{\bullet}$)	grab the menu item you want to move
3 $\big\langle$	move the item up or down the menu
4 INSERT ($\boxed{\bullet}$)	insert the item in the new location

Customizing a Soft Key Function

You can relabel the soft keys (left `⎯•⎯` and right `•⎯\`) to access different main menu items from the idle display.

Find the Feature   `≡` > Settings > Other Settings
                          > Personalize > Keys

Press	To
1 ⎇	scroll to Left or Right
2 CHANGE (`⎯•⎯`)	open the key editor
3 ⎇	scroll to the new key function
4 SELECT (`⎯•⎯`)	confirm the new function
	The key will have the new function whenever the phone is idle.

Hands-Free Use

You can user your phone without using your hands by using the phone headset. Be sure that your phone is rotated open.

You can also purchase an optional Motorola Original™ Easy-Install Hands-Free Kit for your car. This accessory provides an alternative way for you to use your phone without using your handset.

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.

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Automatic Answer

When you activate automatic answer and connect your phone to the Easy-Install Hands-Free Kit or phone headset, your phone automatically answers calls after two rings.

Find the Feature $\boxed{=}$ > Settings > Other Settings

Press	To
1 $\begin{smallmatrix}\wp\end{smallmatrix}$	scroll to Car Settings or Headset
2 SELECT ($\boxed{\bullet}$)	select the feature
3 $\begin{smallmatrix}\wp\end{smallmatrix}$	scroll to Auto Answer
4 SELECT ($\boxed{\bullet}$)	select Auto Answer
5 $\begin{smallmatrix}\wp\end{smallmatrix}$	scroll to On or Off
6 SELECT ($\boxed{\bullet}$)	confirm the setting

Automatic Hands-Free

You can set up your phone to automatically route calls to the Easy-Install Hands-Free Kit when it detects a connection.

Find the Feature $\boxed{=}$ > Settings > Other Settings
                    > Car Settings
                    > Auto Handsfree

Press	To
1 $\begin{smallmatrix}\wp\end{smallmatrix}$	scroll to On or Off
2 SELECT ($\boxed{\bullet}$)	confirm the setting

Power-Off Delay

When your phone is connected to the Easy-Install Hands-Free Kit, you can set it to stay on for a specified time period after you switch off the ignition. This keeps your phone from draining your vehicle battery by staying on indefinitely, but leaves your phone on long enough that you do not have to re-enter your unlock code when you make short stops.

Find the Feature	$\boxed{\equiv}$ > Settings > Other Settings > Car Settings > Power-Off Delay

Press	**To**
1 $\S$	scroll to the time delay option you want
2 SELECT ($\boxed{\bullet}$)	confirm your selection

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

Charger Time

When your phone is connected to the Easy-Install Hands-Free 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   M > Settings > Other Settings
                         > Car Settings
                         > Charger Time

Press	To
1 ⑧	scroll to the charge time option you want
2 SELECT (□)	confirm your selection

Data and Fax Calls

A Motorola Original™ data kit lets you transfer data between your phone and a computer or other external device. You can:

Optional Accessory

- synchronize data between your phone and an external device with Starfish TrueSync® software, a Motorola accessory product. 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.

- use your phone as a modem to connect to the Internet

  Note: 56K modems are capable of receiving 56Kbps from a compatible service provider. Receiving is currently limited in the U.S. and Canada to 53 Kbps, and transmitting to 33.6 Kbps. Actual speeds will vary depending on line conditions.

- use your phone to send and receive data and fax calls on your computer or hand-held device.

For more information about Motorola Original data kits, see the Motorola Web site at:

http://www.motorola.com/dataaccessories (United States)
http://www.motorola.ca/dataaccessories (Canada)

Connecting Your Phone to an External Device

Connect your phone to an external device (such as a computer or hand-held device) using a serial cable or a USB cable.

Note: Not all devices are compatible with serial cable or USB cable connections. Check your external device for specifications.

Set Up a Cable Connection

Attach a serial cable or Motorola Original USB cable to the phone and external device as follows.

Note: Check your computer or hand-held device to determine the type of cable you need.

Attaching a Serial Cable

Use the interchangeable head on the Motorola Multi-Connect Serial Cable to connect a computer, Palm III device, or Palm V device to your phone.

Do This
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 your phone's accessory connector port.
3 Plug the other end of the cable into the serial interface connection on the external device and tighten the screws.

Attaching a USB Cable

Do This	
1	Plug the end of the cable with the Motorola logo into your 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.

Install the Software

Install the software from the CD-ROM that comes with your Motorola Original data kit. See the data kit's user guide for more information.

Sending a Data or Fax Call

You can connect your phone to a computer or hand-held device to send data or a fax from the connected device.

Use this feature to transfer data from your computer onto another device, and to synchronize phonebook and datebook information between your phone, computer, and/or hand-held device.

Connect your phone (see "Connecting Your Phone to an External Device" on page 149) and do the following:

Do This	To
1 Check the phone	make sure that the phone is connected and powered on

Do This	To
2 Open the application on your computer	place the call through the application (such as dial-up-networking or fax)
	Note: You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer.
3 End the transfer on your computer	close the call and connection when the transfer is complete

Receiving a Data or Fax Call

You can connect your phone to a computer or hand-held device to receive data or a fax.

Use this feature to transfer data to your computer from another device.

Transfer the Data or Fax

Connect your phone (see "Connecting Your Phone to an External Device" on page 149).

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

End the Data/Fax Connection

When the data or fax transfer is complete:

Do This	To
End the call from the connected device	close the connection

Sending a Talk then Fax Call

You can place a call where you talk and then send a fax to the same phone number within the same call.

Connect to the device that will send the fax (see "Connecting Your Phone to an External Device" on page 149) and do the following:

	Press	To
1	keypad keys	enter the phone number for the call
2	$\equiv$	open the Dialing Menu
3	$\mathcal{S}$	scroll to Talk Then Fax
4	SELECT ($\boxed{\bullet}$)	select Talk Then Fax (for the next call only)
5	$\textcircled{\small\textless}$	dial the call
		Speak and, when ready, initiate the fax transfer on the connected device.
		When transfer is complete, end the call from the connected device.

Security 🔐

Assigning a New Code or Password

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

If your service provider has *not* reset these numbers, we recommend that you change them to prevent other users from accessing your personal information or modifying your phone settings. The unlock code must contain four digits, and the security code must contain six digits. Be sure to make a note of the new numbers.

Notes:

- Your service provider may retain your phone's security code for customer service purposes. In this case, you will not be able to use phone features that require you to enter the security code (such as master clear, master reset, and the unlock code bypass feature).

- If the only password you can change is the unlock code, the **New Passwords** menu is unavailable and the **Unlock Code** option appears on the **Phone Lock** menu. In this case, open the unlock code editor by selecting: M > **Settings** > **Security** > **Phone Lock** > **Unlock Code**.

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To change a code or password:

Find the Feature   □ > Settings > Security
> New Passwords

Press		To
1	𝆑	scroll to the code or password you want to change
2	CHANGE (□)	select the code or password
3	keypad keys	enter your old code
		If you do not know your code, see "If You Forget a Code or Password" on page 155.
4	OK (□)	submit your old code
5	keypad keys	enter the new code
6	OK (□)	assign the new code
7	keypad keys	re-enter the new code
8	OK (□)	confirm the new code

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If You Forget a Code or Password

If you forget your security code (originally set to 000000), SIM PIN, SIM PIN2, or call barring password, contact your service provider.

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

Press	To
1 $\boxed{\equiv}$	go to the unlock code bypass screen
2 keypad keys	enter your security code
3 OK ($\boxed{\bullet}$)	submit your security code

Locking and Unlocking Your Phone

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

When you try to use a locked phone, it asks you to enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer.*

You can make emergency calls on your phone even when it is locked. See "Dialing an Emergency Number" on page 38.

Lock Your Phone Manually

Find the Feature   M > Settings > Security
                        > Phone Lock > Lock Now

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

Set Your Phone to Lock Automatically

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

Find the Feature   M > Settings > Security
                        > Phone Lock > Automatic Lock
                        > On

Press	To
1 keypad keys	enter your four-digit unlock code
2 OK ([•])	set the phone to lock automatically

Unlock Your Phone

At the Enter Unlock Code prompt:

Press	To
1 keypad keys	enter your four-digit unlock code
	The unlock code is originally set to 1234. If necessary, see "If You Forget a Code or Password" on page 155.
2 OK ([•])	unlock your phone

Barring Calls

Call barring lets you restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming.

Find the Feature   M > Settings > Security
> Call Barring

	Press	To
1	S	scroll to Outgoing or Incoming calls
2	CHANGE (●)	select barring for Outgoing or Incoming calls
3	S	scroll to a restriction for the barred calls
4	SELECT (●)	select the restriction for the barred calls
5	keypad keys	enter your call barring password
6	OK (●)	submit your password

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Protecting the SIM Card

Your PIN (Personal Identification Number) code protects the information stored on your SIM card. When the SIM PIN feature is activated, you must enter your SIM card PIN code each time you turn on the phone or insert a SIM card. Your SIM card PIN code is given to you by your service provider.

Find the Feature   M > Settings > Security
> SIM PIN

	Press	To
1	○	scroll to On or Off
2	SELECT (□)	switch protection on or off
3	keypad keys	enter your SIM card PIN code
4	OK (□)	submit your code

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code three times in a row, your SIM card is disabled and your phone displays the message SIM Blocked. You need to enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Note: In the following key sequence, each key press must occur within two seconds of the previous keypress.

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone displays the message SIM Disabled.

Press		To
1	(#▸) (#▸) (0+) (5ʲᵏˡ) (◂✳)	open the PIN unblocking editor
		Your phone prompts you to enter the PIN1 Unblock Sequence:.
2	keypad keys	enter the PUK code
3	OK (▢◂)	submit the PUK code
		Your phone prompts you to Enter New SIM PIN:.
4	keypad keys	enter a new SIM card PIN code
		Note: The SIM PIN code must be between four and eight digits in length.
5	OK (▢◂)	assign the new SIM PIN code
		Your phone prompts you to Re-enter New SIM PIN:.
6	keypad keys	re-enter your SIM card PIN code
7	OK (▢◂)	confirm the new SIM PIN code and unblock the SIM card

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Troubleshooting

Check these questions first if you have problems with your phone:

Question	Answer
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 "Charging the Battery" on page 22 and "Battery Use" on page 33.)
Is the phone set to the proper frequency for your geographical region?	Phones in different regions of the world use different frequencies to establish a network connection. If necessary, use the **Network** feature (see page 77) to reset your phone's frequency to 900/1800 MHz when you travel to a new location.
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card. (See "Installing the SIM Card and Battery" on page 19).
Does the handset have a signal? Do you see 📶 in the display?	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 volume key on the side of your phone.

Question	Answer
Is the other party unable to hear you?	Your phone may be 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 "If You Forget a Code or Password" on page 155.

Problem	Solution
I pressed the End/Power key, but nothing happened.	Be sure to press and hold ⊚⊇ (the End/Power key) until the display appears and you hear an audible alert (this could take a couple of seconds). If nothing happens, check that a charged battery is installed. (See "Charging the Battery" on page 22.)
The display says: Insert SIM Card or Check SIM Card even though I have inserted my SIM card in the phone.	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly. See "Installing the SIM Card and Battery" on page 19. **Note:** Be sure to turn your phone off and then back on after you re-insert the SIM card.
The display says: SIM Blocked. How do I unblock my SIM card?	Call your service provider (the company that sends you your monthly wireless service bill) to obtain the PIN unblocking key (PUK) code. See "Unblock the SIM Card PIN Code" on page 158.
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. (See "Locking and Unlocking Your Phone" on page 155.) If this fails, call your service provider (the company that sends you your monthly wireless service bill).

Problem	Solution
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you own the phone but do not know the unlock code, see "If You Forget a Code or Password" on page 155.
My phone does not ring.	If you see $\Delta^{\underline{z}}_{\underline{z}}$ or 〗dぱ in the display, then the ringer is turned off. See "Ring/Vibrate" on page 133. Also, the ringer may be set to **Silent** even though your phone is set to a ring alert profile. See "Customize an Alert Profile" on page 134.
My phone rings even though I selected the Silent (or Vibrate) alert profile.	The ringer may be set to play a tone even though your phone is set to a silent alert profile. See "Customize an Alert Profile" on page 134.
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 shows the name of your service provider before making a call.

Problem	Solution
I cannot send/ receive calls.	Make sure that you have a phone signal (see the "Signal Strength Indicator" item on page 28). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings.
	Your phone also may have the **Call Barring** feature turned on. If you know the unlock code, you can change this setting in the security menu ($\boxed{=}$ > **Settings** > **Security**). Also, check to be sure your SIM card is installed and working
My phone has poor reception and drops calls.	Make sure that your antenna is not bent or damaged.
	Also, make sure you have a phone signal (see the "Signal Strength Indicator" item on page 28). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.
I cannot hear others on my phone.	While on a call, press the volume key on the left side of your phone. Your phone display should show the volume increasing.
	Also, make sure that your phone's earpiece is not blocked by its carrying case.

Problem	Solution
I cannot open my inbox.	Before you can use text or information services messages, you must set up the appropriate inbox. See "Setting Up the Text Message Inbox" on page 113.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received, open the "Recent Calls" lists: M > **Recent Calls** > **Received Calls** **or** **Dialed Calls**
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be **Long**, **Short**, or **Off**. If you have trouble sending numbers, check your DTMF setting. **1** From the idle display, press: M > **Settings** > **Other Settings** > **Initial Setup** > **DTMF** **2** Press ⓢ to scroll to **Long** or **Short**. **3** Press **SELECT** (⦁) to select it.

Problem	Solution
My phone's display is too light.	You can use the `Contrast Setting` feature (see page 76) to change the level of contrast in your phone display.
	You can also use the `Backlight` feature (see page 75) to change the length of time that your phone's display backlight stays on, or to change the display's backlight color.
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, and other factors. For tips on extending your battery life, see "Battery Use" on page 33.
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.
	Finally, 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, and your computer will automatically activate the port.

Problem	Solution
My phone beeped when I attached the data cable, but my fax and data applications don't work.	Some wireless networks may not support data or fax transmission. If 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 in a standard CSD (Circuit Switch Data) connection. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps. **Note:** A GPRS connection may have a higher data transfer rate.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing ⊙☎ on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. 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, or you may be connected to a 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.

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 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.

Specific Absorption Rate Data

This model phone meets the government's requirements for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. 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 guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg[*]. Tests for SAR are conducted using standard operating positions 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 of the phone while operating can be well below the

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[*] *The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.*

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 base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions and locations (e.g., at the ear and worn on the body) that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is 0.97 W/kg and when worn on the body, as described in this user guide, is 0.52 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).

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.

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U.S. patent Re. 34,976

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(A) MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

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

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

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

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

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

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

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

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

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

* Wherever wireless phone service is available.

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

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

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important call

Motorola Reminds You
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