MOTOROLA

DIGITAL WIRELESS
TELEPHONE

User's Guide >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V60i wireless phone.

Display

Earpiece

Menu Key

Headset Jack
Insert headset accessory for hands-free use.

Status Light
See incoming call and service status.

Right Soft Key
Perform functions identified by right display prompt.

Left Soft Key
Perform functions identified by left display prompt.

Voice Key
Record voice notes, phonebook and shortcut names.

Volume Keys
Adjust earpiece and ringer volume.

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

End Key
End phone calls, exit menu system.

Smart Key
Select menu items, send and end calls.

Scroll Key
Move through menus and lists.

Power Key

Accessory Connector Port
Insert charger and phone accessories.

Microphone

Menu Map

Main Menu

- **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
  - Call Cost
  - Data Times
  - Data Volumes
- **Service Dial**
- **Fixed Dial**
- **Phonebook**
- **Datebook**
- **My JavaApps**
- **Java Tools**
  - Java System
  - Network Access
  - DNS IP
- **Quick Dial**
- **Picture Viewer**
- **Radio**
- **Chat**
- **Messages**
  - Create Message
  - Text Msgs
  - Voicemail
  - Browser Alerts
  - Info Services
  - Quick Notes
  - Outbox
  - Drafts
- **Web Sessions**
- **Shortcuts**
- **Voice Notes**
- **SIM Applications**
- **Browser**
- **Calculator**
- **Games**
- **Settings**
  - (see next page)
- **Ring Styles**
  - Alert
  - *Alert* Detail
  - My Tones

Note: This is the standard phone menu layout. Menu organization and feature names may vary on your phone. 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
Change ringer alert: Press down volume key to switch to vibrate alert, then silent alert. Press up volume key to reset ring alert.
Display my phone number: Press MENU #▸
Go to dialed calls list: Press ⟨
Exit menu system: Press ⟩
Open phonebook: Press ▪ down
Create phonebook entry: Press ▪ up

Settings Menu

- **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
- **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
    - Screen Saver
    - Quick Dial
  - Initial Setup
    - Time and Date
    - 1-Touch Dial
    - Auto Redial
    - Backlight
    - Status Light
    - Zoom
    - TTY Setup
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
  - Car Settings
  - Headset

Contents

Safety and General Information

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

The information provided in this document supersedes the general safety information 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 ranges of 880 MHz to 915 MHz, 1710 MHz to 1785 MHz, 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 0.0 watts to 1.70 watts in digital mode for the 900MHz band, 0.0 watts to 0.84 watts in digital mode for the 1800MHz band, and 0.0 watts to 0.84 watts in digital mode for the 1900MHz band.

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 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.

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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.

ITC01-101

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

About This Guide

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

Select a Menu Feature

Use the menu system to access your phone's features. This guide shows you how to select a menu feature as follows:

Find the Feature   MENU > Messages
                            > Text Msgs

This example shows that you must press MENU, scroll to and select Messages, then scroll to and select Text Msgs.

Getting Started

Optional Features

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

Optional Accessories

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

Installing the SIM Card

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

Caution: Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.
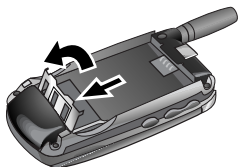
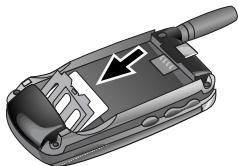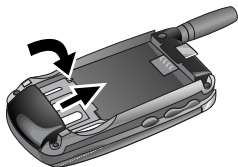| Do This |
|---|
| **1** If necessary, push down the battery door release latch and lift the door off of the phone. |

Release latch
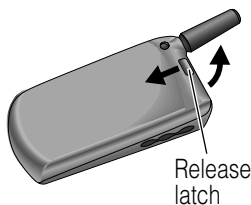
Do This

2 Slide the SIM card door down and lift open.

3 Insert the SIM card into the SIM card tray with the notch in the lower left corner and the gold plate facing down.

4 Close the SIM card door and slide up to lock the SIM card in place.

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.
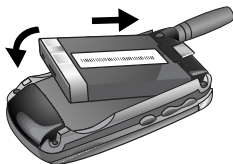
Do This

1 Remove the battery from its protective clear plastic case.

2 If necessary, push down the battery door release latch and lift the door off of the phone.

Release latch
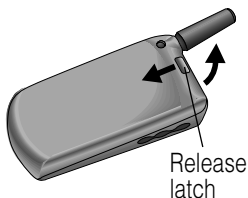
3 Insert the battery, printed arrow first, **under the tab** at the top of the battery compartment and push down.

4 Insert the ridge at the bottom of the battery door into the base of the phone, then push the door down and snap it into place.

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.

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.

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

- **Turn off the status light**
  See page 30.

  - **Turn off the display backlight**
    See page 29.

- **Turn off the screen saver**
  Using an animated screen saver reduces your
  phone's talk and standby time. To turn it off, see
  page 109.

- **Minimize 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.

Changing the Convertible Covers

You can change the flip cover and battery cover on
your phone to personalize its appearance.
Matching front and back cover sets are available in
a variety of colors and designs.

Your phone is designed to be used only with Motorola
Original accessories. See your Motorola retailer for these
convertible covers.

To remove a flip cover:

<table>
<tr><td colspan="2">Do This</td></tr>
<tr><td>1</td><td>Open your flip phone half way.</td></tr>
<tr><td>2</td><td>Press in the tiny silver release button with your fingernail. This button is on the side of the top half of the phone.</td></tr>
<tr><td>3</td><td>While pressing the silver button in, slide the cover off the phone.</td></tr>
</table>
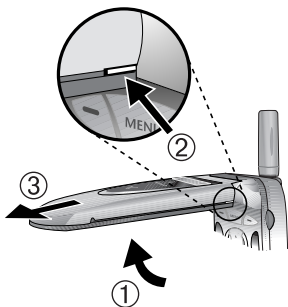
To attach a flip cover:

<table>
<tr><td colspan="2">Do This</td></tr>
<tr><td>1</td><td>Close your flip phone.</td></tr>
<tr><td>2</td><td>Line up the ridges on each side of the new cover so that they align with the slots on the phone.</td></tr>
<tr><td>3</td><td>Slide the flip cover onto the phone until it snaps into place.</td></tr>
</table>

Turning Your Phone On

Do This	To
1 Open your phone	expose the keypad
2 Press and hold ◉	turn on your phone
Power key ─── ◉	
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 SIM Blocked. See page 142.
4 If necessary, enter your four-digit unlock code and press OK (➤)	unlock your phone The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the up and down volume keys to:

Volume keys

- increase and decrease earpiece volume during a call

- increase and decrease the ringer volume setting when the idle display is visible (flip must be open)

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

Making a Call

Press		To
1	keypad keys	dial the phone number
		Tip: If you make a mistake, press DELETE (⟨) to delete the last digit, or press and hold DELETE (⟨) to clear all digits.
2	🄰	make the call
3	🄱	end the call and "hang up" the phone when you are finished

Answering a Call

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

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

Tip: When the phone flip is active, simply open the phone to answer the call (see page 109).

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

Using Your Phone

See page 1 for a basic phone diagram.

Using the Display

❷ In Use Indicator

❸ Roam Indicator

❹ Message Waiting Indicator

❶ Signal Strength Indicator

❺ Voice Message Waiting Indicator

❻ Battery Level Indicator

❿ Ring Style Indicator

Clock

❼ Active Line Indicator

❾ Menu Indicator

❽ GPRS Indicator

Soft Key Labels
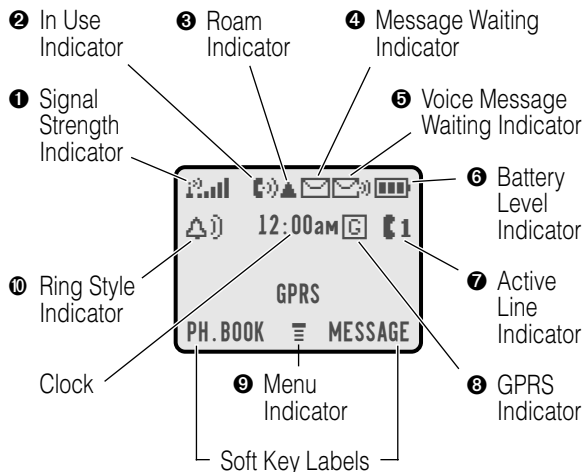
The *idle display* is the standard display that you see when you are *not* on a call or using the menu.

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

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

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

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

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

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

❼ **Active Line Indicator** Shows the current active phone line.

❽ **GPRS Indicator** Shows that your phone is using a high-speed GPRS network connection.

❾ **Menu Indicator** Indicates that you can press █MENU█ to enter the main menu or open a feature sub-menu.

❿ **Ring Style Indicator** Shows the ring style setting.

    △) = loud ring   △» = soft ring

    ░d░ = vibrate   ░△ = vibrate and ring

    △ᶻ = silent

Zooming In and Out

Press and release VMENU, then press and hold VMENU to zoom in and out on the display. Zoom in to increase text size, zoom out to display more information.

You can also zoom in and out from the menu:

Find the Feature   VMENU > Settings
                        > Other Settings
                        > Initial Setup > Zoom

Setting Display Contrast

Find the Feature   VMENU > Settings
                        > Other Settings
                        > Initial Setup
                        > Contrast

Adjusting the Backlight

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power.

Find the Feature   VMENU > Settings
                        > Other Settings
                        > Initial Setup
                        > Backlight

Using the Status Light

The status light shows when you have an incoming call or message, or when your phone is *roaming* (using a non-home system).

Status light

Indication	State
alternating red/green	incoming call
flashing green	in service, home system
flashing yellow	roaming, non-home system
flashing red	no service

The status light initially is turned off to extend battery life. Turning on the status light will substantially reduce your phone's *standby time*, the length of time that your phone's battery retains power when the phone is turned on but is not in use.

To turn the status light on or off:

Find the Feature　　MENU > Settings
　　　　　　　　　　　　> Other Settings
　　　　　　　　　　　　> Initial Setup
　　　　　　　　　　　　> Status Light

Using the Smart Key

The smart key gives
you another way to
perform many basic
phone functions. It
anticipates the next
action you are likely to
perform. For example, when you highlight a menu item,
you can press the smart key to select it. You can use
the smart key to make and end calls, toggle features on
and off, and open your phonebook. The smart key usually
performs the same function as the right soft key ($\longrightarrow$).

Note: The smart key provides an optional way to do some
things faster. It is never *the only way* to perform a task.

External
display

Smart
key

MOTOROLA

Using the External Display

When the flip is closed, the external display shows the time
and date. It also displays messages to notify you of
incoming calls and other events. You can perform the
following functions in the external display.

Set Phone Ring Style

Press		To
1	volume keys	scroll to `Style`
2	smart key	select a ring style
3	volume keys	return to the idle display

Adjust Voice Call Forwarding

Tip: You must store a forwarding number to use this feature. See page 62.

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

Return an Unanswered Call

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

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

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

Using Your Phone

Using Menus

Navigate to a Feature

Use these keys to move through the main menu:

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

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

Volume Keys
Scroll up or down through menus and lists.

End Key
Exit menu system without making changes, return to idle display.

Right Soft Key
Perform function shown in lower right corner of display (usually SELECT the highlighted menu item).

Scroll Key
Scroll up or down through menus and lists. From idle display, press up or down to open phonebook.

✳ and #
Cycle through and set the value of the highlighted menu item.
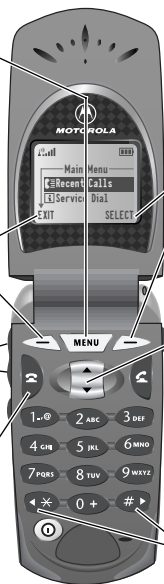
Select a Feature Option

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

Press
BACK (◀)
to go back to
the previous
screen.

```
————Dialed Calls————
   10) John Smith
    9) Mary Smith
BACK       ≡         VIEW
```
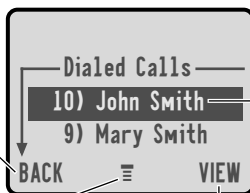
Highlighted
item

Press MENU to
open the sub-menu.

Press VIEW (▶) to view
details of the highlighted item.

- Press ● 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.

Enter Feature Information

Some features require you to enter information:

Press 🔘 to scroll down to additional items. ───── Entry Details ─────
Name:John Smith ───── Highlighted item
No.:2125551212
CANCEL   CHANGE

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

Press CHANGE (▬▶) to edit the information.
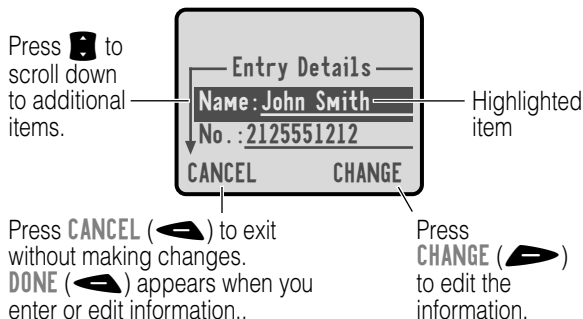
- Enter numbers or text with the keypad.
- When an item has a list of possible values, press 🔘* or 🔘# to scroll through and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.
- If you enter or edit information and do not want to save your changes, press 🔘 to exit without saving.

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 **BROWSE** (▶) to view and insert a quick note.

Press ✉MENU to open the sub-menu.

CANCEL ≡ **BROWSE**

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

Block cursor indicates current highlighted character.

Msg:

Press **OK** (▶) to accept and store the text.

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

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

DELETE ≡ **OK**

Set the Menu Language

You can set the language in which menu features and options are displayed.

Find the Feature   MENU > Settings
                         > Other Settings
                         > Initial Setup
                         > Language

Set Menu Scroll Behavior

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

Find the Feature   MENU > Settings
                         > Other Settings
                         > Initial Setup
                         > Scroll

Set Menu Animation

Menu animation provides smooth scrolling of the highlight bar and menu items as you scroll through a menu list. Turn off menu animation to extend battery life.

Find the Feature   MENU > Settings
                         > Other Settings
                         > Initial Setup
                         > Animation

Reset All Options

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

Find the Feature　　　MENU > Settings
　　　　　　　　　　　　　> Other Settings
　　　　　　　　　　　　　> Initial Setup
　　　　　　　　　　　　　> Master Reset

Clear All Stored Information

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

Caution: Master clear *erases all user-downloaded content
and user-entered information* stored in your phone's
memory, including phonebook and datebook entries. Once
you erase the information, it cannot be recovered. Master
clear does *not* delete any information stored on the SIM
card.

Find the Feature　　　MENU > Settings
　　　　　　　　　　　　　> Other Settings
　　　　　　　　　　　　　> Initial Setup
　　　　　　　　　　　　　> Master Clear

Entering Text

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

Choose a Text Mode

Press $\boxed{\text{MENU}}$ > Entry Method from any text entry screen to select a text mode:

iTAP	Let the phone predict each word as you enter it. See page 43.
Tap Method	Enter letters, numbers, and symbols by pressing a key one or more times. See page 39.
Numeric	Enter numbers only.
Symbol	Enter symbols only. See page 42.
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.

Use Tap Method

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

Press $\boxed{\text{MENU}}$ > Entry Method 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 41
2	Continue pressing number keys	enter the remaining characters

Do This	To
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 41.

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

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

Change letter in block cursor to uppercase or lowercase.

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.

- 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 text message. Press MENU > Entry Method 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 â ã α ά β ç
3DEF	d e f 3 δ ë é è ê ε έ φ
4GHI	g h i 4 ï í î γ η ή ι ί
5JKL	j k l 5 κ λ
6MNO	m n o 6 ñ ö ø ó ò ô õ μ ν ω ώ
7PQRS	p q r s 7 π ß σ
8TUV	t u v 8 θ ü ú ù û τ
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.

Use Symbol Mode

Your phone provides an alternate way to enter symbol characters in a message. Press `MENU` > `Entry Method` 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 42.
2	Press `⟨*` or `#⟩` **or** Press the number key multiple times	highlight the symbol you want
3	Press `SELECT` (`⟶`)	enter the symbol at the flashing cursor location

Symbol Chart

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

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

2_{ABC}	@ _ \
3_{DEF}	/ : ;
4_{GHI}	" & '
5_{JKL}	( ) [ ] { }
6_{MNO}	¿ ¡ ~
7_{PQRS}	< > =
8_{TUV}	$ £ ¥ ¤ €
9_{WXYZ}	# % *
0₊	+ - x * / = > < # §

Use iTAP™ Software Predictive Text Entry Method

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

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

Entering 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.

	Do This	To
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.
3	Press ⬥ or ⬥	highlight the word you want
4	Press SELECT (➤)	enter the word at the flashing cursor location
		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.
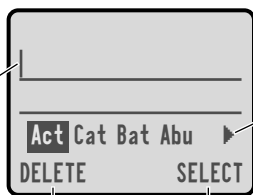
Press 🔘 to scroll and see additional word choices.

```
|
‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾
Act Cat Bat Abu  ▶
DELETE        SELECT
```

Press DELETE (◀) to clear the last letter.

Press SELECT (➤) to insert the highlighted word.

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Entering Novel Words

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

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

Your phone stores the unrecognized word, and includes it in the list of alternative word choices the next time you enter it. When memory space for storing unrecognized words is filled, your phone deletes the oldest words as new words are added.

Entering Punctuation

Press	To
● or ●	enter punctuation or other characters as shown in the "Character Chart" on page 41

Using Capitalization

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

Press	To
🔼	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Entering 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

Deleting Letters and Words

Place the cursor to the right of the text that 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

Storing Your Name and Number

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

Find the Feature   MENU > Settings
                           > Phone Status
                           > My Tel. Numbers

Setting Time and Date

You must set the correct time and date on your phone to use the datebook application.

Find the Feature   MENU > Settings
                           > Other Settings
                           > Initial Setup
                           > Time and Date

Changing the Active Line

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

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

Find the Feature   MENU > Settings
                           > Phone Status
                           > Active Line

The active line indicator shows the current active phone line. See page 27.

Conserving Battery Power

Some networks and phones include a battery save setting to conserve battery power.

Find the Feature   `MENU` > Settings
                               > Other Settings
                               > Initial Setup
                               > Battery Save

Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature   `MENU` > Settings
                               > Phone Status
                               > Battery Meter

Viewing Phone Specifications

To view your phone's feature specifications (if available from the service provider):

Find the Feature   `MENU` > Settings
                               > Phone Status
                               > Other Information

Calling Features

For basic instructions on how to make a call and answer a call, see page 25.

Viewing Your Phone Number

Note: Your phone number must be stored on your SIM card to use this feature. See page 47.

From the idle display:

Press	To
MENU **#▸**	view your phone number

While you are on a call:

Press	To
MENU	view your phone number
> My Tel. Numbers	

Redialing a Number

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

Using Automatic Redial

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

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

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

Find the Feature `MENU` > Settings
> Other Settings
> Initial Setup
> Auto Redial

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

Press	To
$\bigcirc$ or RETRY ($\longrightarrow$)	activate automatic redial

Using Caller ID

Incoming Calls

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

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

Outgoing Calls

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

Find the Feature   MENU > Settings
                              > In-Call Setup
                              > My Caller ID

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

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

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
☎ or IGNORE (◀)	cancel the incoming call

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

Calling Features

Turning Off a Call Alert

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

Press	To
either volume key	turn off the alert

Calling an Emergency Number

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

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

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

Dialing International Numbers

To dial the local international access code:

Do This	To
Press and hold ⓞ	insert the international access code (*) for the country from which you are calling

Viewing Recent Calls

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

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

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.

Press	To
4 ◖	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.
Hide ID/Show ID	Hide or show your caller ID for the next call.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent call lists.
Send Tones	Send the number to the network as DTMF tones.
Talk then Fax	Talk and then send a fax in the same call. See page 127.

Calling Features

Returning an Unanswered Call

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

- the ⬚⁺ (missed call) indicator

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

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

Using the Notepad

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   MENU > Recent Calls
> Notepad

Press	To
📞	call the number
or	
\MENU/	open the Dialing Menu to attach a number or insert a special character
or	
STORE (▱▶)	create a phonebook entry with the number in the No. field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
\MENU/ > Attach Number	attach a number from the phonebook or recent call lists

Calling With Speed Dial

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

Press	To
3 〇	call the entry

Calling With 1-Touch Dial

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

Tip: You must specify which phone number list you want to use with this feature: phone memory phonebook, or SIM card phonebook. See page 97.

Using 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.

Store Your Voicemail Number

Storing your voicemail number in 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   MENU > Messages
                         MENU > VoiceMail Setup

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

Receive a Voicemail Message

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

Press	To
CALL (➤)	listen to the message

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.

Listen 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.

Voice Dialing

To voice dial a phone number stored in your phonebook:

Do This	To
Press and release the voice key, then say the entry's voice name (in two seconds)	call the phonebook entry
	To record a voice name, see page 89.

Voice key

Calling Features

Using Call Waiting

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

Press	To
1 ![phone]	answer the new call
2 SWITCH (➤)	switch between calls
or	
LINK (◄)	connect the two calls
or	
MENU > End Call On Hold	end the call on hold

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

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

Putting a Call On Hold

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

Transferring a Call

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

Announce the Call Transfer

Find the Feature   MENU > Hold

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

Do Not Announce the Call Transfer

Find the Feature   MENU > Transfer

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

Making a Conference Call

Link an active call and a call on hold together so that all parties can speak to each other.

Press		To
1	keypad keys	dial the first party's number
2	$\mathfrak{C}$	call the number
3	HOLD ($\rightarrow$) (if available) or MENU > Hold	put the call on hold.
4	keypad keys	dial the next party's number
5	$\mathfrak{C}$	call the number
6	LINK ($\leftarrow$)	connect the two calls
7	$\mathfrak{D}$	end the entire call

Tip: Repeat steps 3-6 to add additional parties to the conference call.

Forwarding Calls

You can forward your phone's incoming voice, fax, and/or data calls directly to another phone number.

Set Up or Cancel Call Forwarding

The forwarding options for voice, fax, or data calls are:

All Calls	forward all calls
If Unavailable	forward calls if your phone is unavailable
Detailed	set different forwarding numbers if you are out of range, unable to answer, or busy (*voice calls only*)
Off	do not forward calls

Find the Feature
$\qquad$ MENU > Settings
$\qquad\qquad$ > Call Forward

	Press	To
1	🔅	scroll to the type of calls you want to forward
		Scroll to Cancel All to cancel all call forwarding.
2	SELECT (➤)	view call forwarding details
3	🔅	scroll to Forward
4	CHANGE (➤)	select Forward
5	🔅	scroll to a forwarding option
6	SELECT (➤)	store the option

Press	To
7 🔼	scroll to To (for Detailed forwarding, scroll to If Busy, If No Answer, or If Unreachable)
8 CHANGE (➡)	select To
9 keypad keys	enter the forwarding phone number
or	
BROWSE (➡)	select a number from the phonebook or recent call lists
10 OK (➡)	store the number
11 DONE (◀)	save call forwarding settings

Note: Repeat this procedure to enter forwarding information for other call types.

Check Call Forwarding Status

Your network may store call forwarding status for you. To confirm the network call forwarding settings:

Find the Feature   MENU > Settings
> Call Forward
> Forward Status

Press	To
1 🔼	scroll to Voice, Fax, or Data
2 View (➡)	confirm the network setting

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   `MENU` > Settings > Security
                               > Call Barring

Press	To
1	scroll to Outgoing or Incoming calls
2 CHANGE (➤)	select the option
3	scroll to a restriction setting
4 SELECT (➤)	select the restriction setting
5 keypad keys	enter your call barring password
6 OK (➤)	submit your password

Messages and Chat

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

Quick notes are pre-written text messages that you can incorporate into a message 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	`MENU` > Messages `MENU` > Text Msg Setup

Press	**To**
1 CHANGE (⊳)	change the Srvce Center No.
2 keypad keys	enter the number for the service center that handles your outgoing text messages
3 OK (⊳)	store the service center number

	Press	To
4	CHANGE (⟐)	change the Expire After period
5	keypad keys	enter the expiration period—the number of days your network tries to send undelivered messages
6	OK (⟐)	store the expiration period
7	CHANGE (⟐)	change the Reply Type
8	🔳	scroll to the standard type of replies you want to send—SMS text messages, email, fax, or page.
9	OK (⟐)	store the reply type
10	CHANGE (⟐)	change the Cleanup setting
11	🔳	scroll to the number of days you want to keep messages in the inbox, or the number of messages you want to keep
12	SELECT (⟐)	select the cleanup setting
13	CHANGE (⟐)	change the Email Gateway number
14	keypad keys	enter the port number for the email gateway that handles your outgoing email messages
15	OK (⟐)	store the gateway number
16	DONE (◀)	save the text message inbox settings

Messages and Chat

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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. The procedure for entering a space varies depending on the text entry mode you use:

Mode	Do This
Numeric	Press and hold ☐, or press ☐ down, to insert a space.
Tap Method	Press ☐ one time and wait for the space to appear.

For more information about text entry modes, see page 38.

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

Find the Feature　　`MENU` > Messages
　　　　　　　　　　　　　 > Create Message

Press	To
1 CHANGE (☐)	select To

Press		To
2	keypad keys	enter one or more phone numbers and/or email addresses
		Tip: Press `MENU` to change text entry mode. See the note on page 67.
	or	
	BROWSE (`➤`)	select numbers/addresses from the phonebook or recent call lists
3	OK (`➤`)	store the recipient list
4	CHANGE (`➤`)	select **Msg**
5	keypad keys	enter the message
		Tip: Press `MENU` to change text entry mode, or to insert images or sounds in the message.
	or	
	BROWSE (`➤`)	insert a quick note
6	OK (`➤`)	store the message
7	DONE (`◀`)	finish the message
8	YES (`◀`)	send the message
	or	
	NO (`➤`)	cancel the message or save it as a draft.

Messages and Chat

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Sending a Quick Note Text Message

Quick notes are pre-written text messages that you can incorporate into a message and send quickly (for example, Meet me at ...). You can also create new quick notes.

Find the Feature MENU > Messages
> Quick Notes

Press		To
1	📱	scroll to the quick note
2	READ (➤)	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.
Delete	Delete the quick note.
Send	Open a new message with the quick note in the Msg field.

Inserting Pictures and Sounds In a Text Message

You can insert pictures, animations, and sounds into a text message as you compose it.

Notes:

- The recipient's phone may be unable to display the pictures or sounds inserted in your message.

- You cannot send messages with pictures or sounds to an email address.

Inserting a Picture or Sound File

Enter your message as usual. When you come to a spot where you want to insert a picture or sound file:

	Press	To
1	MENU	open the Message Menu
2	🔘	scroll to Insert
3	SELECT (➤)	display a list of items you can insert
4	🔘	scroll to Picture, Animation, or Sound
5	SELECT (➤)	select the file type
6	🔘	highlight the file you want
7	VIEW (➤) or PLAY (➤)	preview the file
8	INSERT (➤)	insert the file

Messages and Chat

A generic file type indicator identifies the type and location of the file in the text message.

Notes:

- Your phone may allow only predefined images and sounds in a message. These files are identified by a ⭐ (predefined object) indicator.

- You can insert up to five pictures in a message.

View or Delete an Inserted File

To view or delete an image or sound file in a message you are composing:

Press		**To**
1	🔲, 🔹, and/or 🔹	place the cursor to the right of the file type indicator
2	🔹	highlight the file type indicator
3	SELECT (➤)	view or play the inserted file
	or	
	DELETE (◄)	delete the inserted file

Viewing the Status of Sent Text Messages

Text 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:

$\gg$ = sending in progress $\boxtimes$ = sent

$\times$ = sending failed

Receiving a Text Message

Note: Your text message inbox must be set up before you can receive text messages. See page 65.

When you receive a text message, your phone displays the $\boxtimes$ (message waiting) indicator and a New Message notification, and gives an alert.

Press	To
READ ($\blacktriangleright$)	open the message (or your text message inbox if there are multiple messages)

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 65). 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 (with attachment)
	☐ = read
	☒ = read (with attachment)
	🔒 = read and locked
	🔒 = read and locked (with attachment)
2 READ (➤)	open the message
3 SAVE (◄)	close the message
or	
DELETE (➤)	delete the message
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
Call Back	Call the number in the message header or embedded in the message.
Go To	Launch the micro-browser and go to a Web address (URL) embedded in the message.
Reply	Open a new text message, with the sender's `Reply To` number or email address in the `To` field.
Forward	Open a copy of the text message, with an empty `To` field.
Lock/Unlock	Lock or unlock the message.
Store	Display a list of items that can be stored, including the sender's number or email address, and a selected image or sound file.
Delete	Delete the message.
Delete All	Delete all inbox messages.
Create Message	Open a new text message.
Chat	Start a chat session with the sender. See page 79.
Setup	Open the text message inbox setup menu.

Messages and Chat

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Storing Pictures and Sounds From a Text Message

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

You can store these embedded object files on your phone, and use them as screen saver images and alert tones.

Store a Picture or Animation File

Press	To
1 🕹	highlight the picture or animation in the message
2 MENU	open the `Text Msg Menu`
3 🕹	scroll to `Store`
4 SELECT (➤)	display a list of items you can store
5 🕹	scroll to `File Attachment`
6 SELECT (➤)	view the picture or animation
7 STORE (➤)	view storage options
8 🕹	scroll to `Store Only` or `Set as Screen Saver`
9 SELECT (➤)	select the option
10 keypad keys	enter a name for the file
11 OK (➤)	store the file and, optionally, set it as your screen saver image

For more information about using pictures and animations, see pages 171, and 109.

Store a Sound File

You can store a sound file, and set it as an event alert.

	Press	To
1	$\updownarrow$	highlight the sound file indicator in the message
2	MENU	open the Text Msg Menu
3	$\updownarrow$	scroll to Store
4	SELECT ($\rightarrow$)	display a list of items you can store
5	$\updownarrow$	scroll to File Attachment
6	SELECT ($\rightarrow$)	play the sound file
7	STORE ($\rightarrow$)	view storage options
8	$\updownarrow$	scroll to Store Only or Set As Ring Tone
9	SELECT ($\rightarrow$)	select the option
		If you select Store Only, go to step 13.
		If you select Set As Ring Tone, your phone displays Set As Which?, and lists the events for which you can set an alert.
10	$\updownarrow$	scroll to the event
11	SELECT ($\rightarrow$)	select the event

Press	To
12 keypad keys	enter a name for the file
13 OK ($\longrightarrow$)	store the sound and, optionally, set it as the event alert

For more information about using sound files, see pages 99 and 101.

Reading Browser Alerts

Your network's Web server can send you *browser alerts* that you can read in your micro-browser.

When you receive a browser alert message, your phone displays the $\boxtimes$ (message waiting) indicator and a New Browser Message notification, and gives an alert.

Press	To
GO TO ($\longrightarrow$)	launch the micro-browser and view the message
or	
EXIT ($\longleftarrow$)	close the new message notification

To view your browser alert messages at any time:

Find the Feature MENU > Messages
                           > Browser Alerts

Press	To
1 📶	scroll to a message
2 SELECT (➤)	open the message

Reading Information Services Messages

Information services messages are broadcast messages that you can receive, such as stock updates or news headlines.

When you receive a lengthy information services message, your phone displays the ✉ (message waiting) indicator and a New Message notification, and gives an alert.

Press	To
READ (➤)	open the message (or your information services message inbox if there are multiple messages)

Quick view messages are short information service messages that appear directly in your phone's idle display.

Do This	To
Read the message and press $\triangleright$	read and delete the quick view message

To view your information services messages at any time:

Find the Feature   MENU > Messages
                     > Info Services

Press	To
1	scroll to the message
2 READ ($\triangleright$)	open the message

Using Chat

You can exchange text messages in real time with another wireless phone user in a *chat session*. The messages you send appear immediately on your chat partner's phone.

Network / Subscription Dependent Feature

Start a Chat Session

Find the Feature   MENU > Chat
                     MENU > New Chat

Press	To
1 keypad keys	enter your Chat Name
2 OK ($\triangleright$)	save your Chat Name

Press		To
3	keypad keys	enter your chat partner's phone number
	or	
	BROWSE (➤)	select a number from the phonebook or recent call lists
4	OK (➤)	store the number
5	keypad keys	enter your first chat message
	or	
	BROWSE (➤)	select and insert a quick note message (see page 69)
6	OK (➤)	send the chat message
		Your phone displays the chat log. >> appears next to your message until the message is sent. When your chat partner replies, the reply appears below your text.
7	CHAT (➤)	enter a reply to your partner
8	OK (➤)	send your reply

Notes:

- You can start a chat session from a text message. Press **MENU** and select Chat to start a new session with the sender's Reply To number in the To field.

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

Messages and Chat

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Use the Chat Log

The chat log displays the messages exchanged in a chat session.

Chat name → **Carlo>What time**

Press 🔼 to scroll and see more text. → **does it start?**

Chat text

>>Katy>10 AM ← Newest messages appear at bottom of log.

Message Status:
>> sending
✕ failed

EXIT ☰ **CHAT**

Exit chat

Press 🔲ᴹᴱᴺᵁ to open the Chat Menu

Enter reply
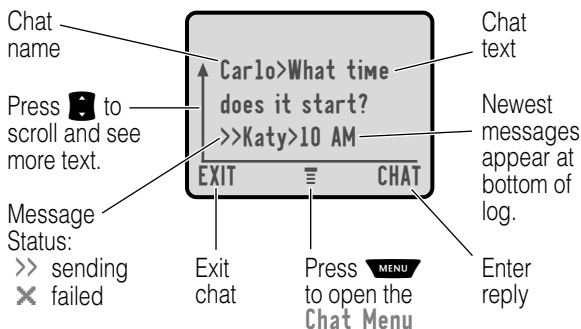
The Chat Menu includes the following options:

Option	Description
New Chat	Open a new chat session.
Call Partner	Call your chat partner.
Call Number	Call the number listed in the chat log.
Store Number	Create a phonebook entry for the number listed in the chat log.
End Chat	End the chat session.
Go to Top	Go to the top of the chat log.
Go to Bottom	Go to the bottom of the chat log.
Clear Log	Clear all text from the chat log.

Option	Description
Re-send	Resend your most recent chat message, if it failed.
Send Message	Create a new chat message.

Respond to Chat

When you receive a chat message, your phone displays Chat from *chat name*, and gives an alert.

Press	To
ACCEPT (➤)	accept the chat session
IGNORE (◄)	refuse the chat session

If reminders are turned on, your phone sends a reminder at regular intervals until you respond to the chat notification or turn off your phone.

If you receive another chat request during a chat session, the new request appears as an incoming text message, with the requestor's *chat name* at the beginning of the message.

End a Chat Session

Press	To
1 MENU	open the Chat Menu
2 ◘	scroll to End Chat
3 SELECT (➤)	select End Chat
4 YES (◄)	end the chat session

A chat session also ends when you turn off the phone, answer an incoming call, or start a new chat session.

Your chat partner is not notified when you end a chat session. If your partner sends more chat text, the phone treats it as an incoming text message, with your chat partner's *chat name* at the beginning of the message.

If you exit the chat log without selecting **End Chat**, and your chat partner sends another message, your phone notifies you and adds it to the chat log. You can re-enter the session by returning to the chat log.

Setting Up Your Phonebook

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

To see the names in your phonebook, press
MENU > Phonebook from the idle display. Scroll to a name and press VIEW (➤) to view details of the phonebook entry as shown below.

Shortcut: Press █ down from the idle display to open the phonebook.

Viewing Entry Details

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**

```
┌──────────────────┐
│ 🖬 🔊 Carlo Emrys─ │
│ 2154337215        │
│ Speed No.15# (P)  │
│ BACK      ☰   EDIT│
└──────────────────┘
```

Entry's speed dial number

(P) indicates entry stored in phone memory, **(S)** indicates SIM memory
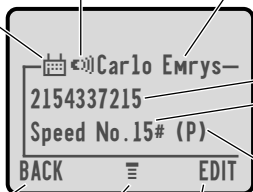
Return to list

Press **MENU** to open the Phonebook Menu

Edit entry

Notes:

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

- Entries stored on the SIM card do not have Type, Voice Name, or Ringer ID information.

Creating a Phonebook Entry

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

You can store an entry on your phone or on the SIM card.

Shortcut: Press 📶 up from the idle display to open the phonebook and go to [New Entry].

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 3 to continue.

Enter Information

Find the Feature   MENU > Phonebook
                              MENU > New

Press	To
1 📶	scroll to Phone Number or Email Address
2 SELECT (➤)	select the entry type
3 CHANGE (➤)	select Name
4 keypad keys	enter a name for the entry
5 OK (➤)	store the name

Press		To
6	CHANGE (⊳)	select No. or Email
7	keypad keys	enter the phone number or email address
8	OK (⊳)	store the phone number or email address
9	CHANGE (⊳)	select Type
10	🔋	scroll to the number type
11	SELECT (⊳)	select the number type
12	CHANGE (⊳)	select Store To if you want to change the entry's physical storage location
13	🔋	scroll to Phone or SIM
14	SELECT (⊳)	set the storage location
15	RECORD (⊳) **or** Go to step 16 if you do not want a voice name	record a Voice Name for the entry, if desired
16	🔋	scroll to Speed No. The next available speed dial number is assigned to a new phonebook entry.
17	CHANGE (⊳)	select Speed No. if you want to change it
18	keypad keys	enter a different speed dial number, if desired

Press	To
19 OK (➤)	store the speed dial number
20 CHANGE (➤)	select Ringer ID if you want to set a distinctive ringer alert for the phone number
	Your phone uses the alert to notify you when you receive a call from this phone number. See page 100.
21 🔋	scroll to the alert you want
22 SELECT (➤)	store the ringer ID alert
23 SELECT (➤)	select MORE if you want to create another entry under the same Name
	You must use a different Type identifier for each number.

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (◀)	store the entry

Storing a PIN Code With the Phone Number

You can store a PIN code with the phone number for calls that require additional digits (for example, to make a calling

card call, or to retrieve voicemail or answering machine messages). Insert one or more of the following characters in the dialing sequence to ensure that the number dials and connects properly:

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

Notes:

• You can enter a maximum of 32 digits for a phonebook entry stored on the phone. The maximum

number may vary for entries stored on the SIM card. Each character counts as one digit.

- You cannot store numbers that contain a **w** or **n** character on the SIM card.

Recording a Voice Name For a Phonebook Entry

You can record a voice name for a new or existing phonebook entry. A voice name lets you call the phonebook entry using voice dial (see page 90).

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
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

Do This	To
8 Press DONE (◀)	store the voice name

Dialing a Phonebook Entry

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

Phonebook List

Find the Feature MENU > Phonebook

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

Voice Dial

Do This	To
Press and release the voice key and say the entry's name (in two seconds).	make the call

To speed dial a phonebook entry, see page 56. To call an entry with 1-touch dial, see page 57.

Editing a Phonebook Entry

Find the Feature   MENU > Phonebook

Press	To
1 📇	scroll to the entry
2 VIEW (➤)	view entry details
3 EDIT (➤)	edit the entry

Edit the entry as described on pages 85-87.

Deleting a Phonebook Entry

Find the Feature   MENU > Phonebook

Press	To
1 📇	scroll to the entry
2 MENU	open the Phonebook Menu
3 📇	scroll to Delete
4 SELECT (➤)	select Delete
5 YES (◄)	confirm the deletion

Sorting the Phonebook List

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

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

Find the Feature   MENU > Phonebook

Press	To
1 MENU	open the Phonebook Menu
2 🔘	scroll to Setup
3 SELECT (➤)	select Setup
4 🔘	scroll to Sort by
5 CHANGE (➤)	select Sort by
6 🔘	scroll to Name, Speed No., Voice Name, or Email
7 SELECT (➤)	select the sort order

If you select Speed No., Voice Name, or Email, the procedure is complete.

If you select Name, you must specify whether you want to view all numbers or just the primary number for each name:

Press	To
8 CHANGE (➤)	change view preference
9 🔘	scroll to Primary Contacts or All Contacts
10 SELECT (➤)	select the view preference
11 DONE (◀)	set the view preference

To set an entry's primary phone number, see the following procedure.

Setting Up Your Phonebook

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Tip: When the phonebook list displays primary numbers only, you can scroll to a name and press ● or ● to view other numbers associated with the name.

Setting the Primary Number for a Phonebook Entry

When you enter multiple phone numbers for the same name, you can set one as the primary number.

Find the Feature   MENU > Phonebook

Press		To
1	🔲	scroll to the entry
2	MENU	open the Phonebook Menu
3	🔲	scroll to Set Primary
4	SELECT (➤)	select Set Primary
5	🔲	scroll to the number you want to set as the primary number
6	SELECT (➤)	set the primary number

Depending on how the phonebook list is sorted, the primary number is listed first, or is the only number that appears for a phonebook entry. See page 91.

Copying Entries Between the Phone and SIM Card

Note: These procedures do *not* delete the original entries.

Copy a Single Entry

Find the Feature   MENU > Phonebook

Press		To
1	🔆	scroll to the entry
2	MENU	open the Phonebook Menu
3	🔆	scroll to Copy Entry
4	SELECT (➤)	select Copy Entry
		The phone displays the next available speed dial number.
5	keypad keys	edit the speed dial number
		Tip: Enter a speed dial number between 1-1000 to copy the entry to the phone. Enter 1001 or higher to copy the entry to the SIM card.
6	OK (➤)	copy the entry to the new speed dial location

Copy Multiple Entries

Find the Feature   MENU > Phonebook

Press		To
1	MENU	open the Phonebook Menu
2	🔆	scroll to Copy Entries
3	SELECT (➤)	select Copy Entries
4	🔆	scroll to From (start)

Setting Up Your Phonebook

Press		To
5	CHANGE (➤)	select From (start)
6	keypad keys	enter the low speed dial number for the range of entries you want to copy
7	OK (➤)	store the number
8	🔃	scroll to From (end)
9	CHANGE (➤)	select From (end)
10	keypad keys	enter the high speed dial number for the range of entries you want to copy
11	OK (➤)	store the number
12	🔃	scroll to To (start)
13	CHANGE (➤)	select To (start)
14	keypad keys	enter the low speed dial number for the entries' new location
		Tip: Enter a speed dial number between 1-1000 to copy entries to the phone. Enter 1001 or higher to copy entries to the SIM card.
15	OK (➤)	store the number
16	DONE (◄)	copy the entries

Checking Phonebook Capacity

You can see how much memory space remains for storing phonebook and datebook entries on the phone, and how many more phonebook entries you can store on the SIM card.

Find the Feature   MENU > Phonebook

Press	To
1 MENU	open the Phonebook Menu
2 $\updownarrow$	scroll to Phone Capacity or SIM Capacity
3 SELECT ($\blacktriangleright$)	select Phone Capacity or SIM Capacity
	Your phone displays the phone memory meter, or the number of SIM card phonebook entries available.

Synchronizing with TrueSync Software

You can synchronize phonebook entries between your phone and computer or handheld 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.

Setting 1-Touch Dial Preference

You can set 1-touch dial to call the entries in your phone memory phonebook or the SIM card phonebook.

Find the Feature   MENU > Settings
                              > Other Settings
                              > Initial Setup

Press		To
1	📱	scroll to 1-Touch Dial
2	CHANGE (➡)	select 1-Touch Dial
3	📱	scroll to the list you want
4	SELECT (➡)	select the list

Customizing Your Phone Settings

Customizing Menus

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

Setting a Ring Style

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

    △) = loud ring   △» = soft ring

    d = vibrate   ▷△ = vibrate and ring

    △ᶻ = silent

The ring style indicator in the display shows the current ring style (see page 27).

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

Select a Ring Style

Find the Feature $\text{\footnotesize{MENU}}$ > Ring Styles > Alert

Press	To
1 $\square$	scroll to the ring style
2 SELECT ($\longrightarrow$)	select the ring style

Customize a Ring Style

Changing 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 $\text{\footnotesize{MENU}}$ > Ring Styles
                                    > *Alert* Detail

Note: *Alert* represents the current ring style.

Press	To
1 $\square$	scroll to the event
2 CHANGE ($\longrightarrow$)	select the event
3 $\square$	scroll to the alert you want
4 SELECT ($\longrightarrow$)	select the alert

Activating and Deactivating 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 85.

Find the Feature $\blacksquare$ **MENU** > Ring Styles
> *Alert* Detail

Note: *Alert* represents the current ring style.

Press	To
1 $\blacksquare$	scroll to Ringer IDs
2 CHANGE ($\blacktriangleright$)	change the ringer IDs setting
3 $\blacksquare$	scroll to On or Off
4 SELECT ($\blacktriangleright$)	select the option

Setting Ringer or Keypad Volume

Find the Feature $\blacksquare$ **MENU** > Ring Styles
> *Alert* Detail

Note: *Alert* represents the current ring style.

Press	To
1 $\blacksquare$	scroll to Ring Volume or Key Volume
2 $\bullet\!\ast$ or $\bullet\!\sharp$	scroll to the desired volume
3 OK ($\blacktriangleright$)	confirm the new volume

Creating Alert 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   \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 below)
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

Enter Notes

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

Octave

The default setting for a new tone is octave four.

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

Notes and Rests

Key	Display	Description
0 +	#	sharp
	&	flat
2 ABC	a	note A
	b	note B
	c	note C
3 DEF	d	note D
	e	note E
	f	note F
4 GHI	g	note G
7 PQRS	r	rest

Lengths and Modifiers

Key	Display	Description
0 +	0	whole note
1 .@	1	half note
2 ABC	2	quarter note
3 DEF	3	eighth note
4 GHI	4	sixteenth note

Customizing Your Phone Settings

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Key	Display	Description
5 jkl	**5**	1/32 note
1	.	dotted note
	:	double dotted note
	;	2/3 length note

Repeat Characters

Key	Display	Description
9 wxyz	**(,)**, and **@**	Use parentheses to enclose sequence of notes to be repeated. After the sequence, enter **@** followed by digit(s) to set number of repetitions.

Note Entry Sequence

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

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

You can perform the following tasks when creating a tone:

Task	**Action**
Insert a rest	Enter one or more rests (r characters) as needed in the tone sequence. Set the length of the rest (0 to 5) *after* the rest, just as you would for a note.
Repeat a note sequence	Use (and) to group a sequence of notes. After the sequence, enter @ followed by a number to set the number of repetitions.
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 create this sequence of notes and rests in octave three: **C** (quarter note), **E flat** (quarter note), **half rest**, and **G** (whole note):

	Press	To	Display
1	**0** **0** **3** **3** **3** **3**	set octave three	*3
2	**2** **2** **2**	enter note **C**	c
3	**2** **2** **2** **2**	set length to quarter note	2
4	**0** **0** **0** **0**	enter flat symbol	&
5	**3** **3**	enter note **E flat**	e
6	**2** **2** **2** **2**	set length to quarter note	2
7	**7**	enter **rest**	r
8	**1**	set length to half rest	1
9	**4**	enter note **G**	g
10	**0**	set length to whole note	0

Play a Tone

Press	To
1 📱	scroll to the tone
2 MENU	open the Tone 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:

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

Customizing Your Phone Settings

Press	To
7 DONE ($\blacktriangleleft$)	save your changes

Delete a Tone

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

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

Press	To
1 $\boxed{\updownarrow}$	scroll to the tone
2 $\boxed{\text{MENU}}$	open the Tone Menu
3 $\boxed{\updownarrow}$	scroll to Delete
4 SELECT ($\blacktriangleright$)	select Delete
5 YES ($\blacktriangleleft$)	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 163. To download tones from a text message, see page 75.

Send Tones

You can send alert tones to other wireless phone users. To insert a tone in a text message, see page 70.

Setting Reminders

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

Find the Feature   MENU > Ring Styles
                              > *Alert* Detail
                              > Reminders

Note: *Alert* represents the current ring style.

Press	To
1 🔘	scroll to Beep or Vibrate to set the reminder alert type, or Off to turn off all reminders
2 SELECT (➤)	select the reminder alert

Customizing Soft Keys

You can relabel the soft keys (◀ and ▶) and the smart key to access different main menu items from the idle display.

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

Press	To
1 🔘	scroll to Left, Right, or Smart
2 CHANGE (➤)	select the key
3 🔘	scroll to a menu feature
4 SELECT (➤)	confirm the menu feature

Setting Answer Options

You can use any of several different methods to answer incoming calls.

Find the Feature   MENU > Settings
                            > In-Call Setup
                            > Answer Options

Turn the following call answering options on or off:

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

Setting a Screen Saver Image

You can set a picture or animation as a screen saver image in your phone's idle display. The image is displayed when no activity is detected for a specified time period.

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

Find the Feature   MENU > Settings
                            > Other Settings
                            > Personalize
                            > Screen Saver

Press	To
1 ⬓	scroll to Picture
2 CHANGE (➤)	open the picture viewer

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

Customizing Display Text

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

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

Creating Shortcuts

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

Standard Shortcuts

The following shortcuts are pre-programmed 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 the down volume key (at lowest volume setting)	switch to vibrate alert, then silent alert Press the up volume key to cycle back to vibrate alert, then ring alert.
Press MENU #▸	see your phone number
Press ◀	go to the dialed calls list
Press ▶	exit the menu system
Press ▪ down	open the phonebook
Press ▪ up	open the phonebook and go to [New Entry]

Create 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 $\overline{\text{MENU}}$	enter the menu system
2	Press $\blacksquare$	scroll to the menu item
3	Press and hold $\overline{\text{MENU}}$	open the shortcut editor
4	Press YES ($\blacktriangleleft$)	view shortcut options
5	Press CHANGE ($\blacktriangleright$)	change the keypad shortcut number
	or	
	Press DONE ($\blacktriangleleft$)	select the default number
	or	
	Press $\blacksquare$	scroll to Voice to assign a voice shortcut
6	Press RECORD ($\blacktriangleright$)	begin recording
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 ($\blacktriangleleft$)	store the shortcut name

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

Edit or Delete a Shortcut

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

Find the Feature   MENU > Shortcuts

Press	To
1	scroll to the shortcut

Press	To
2 MENU	open the Shortcut Menu to perform procedures as described in the following list

The Shortcut Menu includes the following options:

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

Getting More Out Of Your Phone

Dialing Options

Fixed Dialing

When you turn on fixed dialing, users can only call numbers stored in the fixed dial list. Use this feature to limit outgoing calls to a predefined list of numbers, country codes, area codes, or other prefixes.

Turning Fixed Dialing On or Off

Find the Feature   `MENU` > Settings > Security > Fixed Dial

Do This		To
1	keypad keys	enter your SIM PIN2 code
2	OK (➤)	open the fixed dial menu
3	⬚	scroll to On or Off
4	SELECT (➤)	select On or Off

Using the Fixed Dial List

You must turn on fixed dialing to open the fixed dial list (see above).

Find the Feature   `MENU` > Fixed Dial

You can create, edit, delete, and sort fixed dial entries just like phonebook entries. Fixed dial entries are stored on your SIM card and do not have Type or Voice Name fields.

Service Dialing

Dial pre-programmed numbers stored on your SIM card. Your service provider may program your SIM card with numbers for services such as taxi companies, restaurants, and hospitals.

Find the Feature   MENU > Service Dial

Quick Dialing

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.

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

To open and dial numbers on the quick dial list:

Find the Feature   MENU > Quick Dial

To edit the quick dial list:

Find the Feature   MENU > Settings
> Other Settings
> Personalize
> Quick Dial

Send DTMF Tones

Your phone can send a number to the network as dual tone multi-frequency (DTMF) tones. Use DTMF tones to

Getting More Out Of Your Phone

communicate with automated systems that require you to submit a PIN code or credit card number.

Activating DTMF Tones

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

Find the Feature   `MENU` > `Settings`
                     > `Other Settings`
                     > `Initial Setup` > `DTMF`

Sending DTMF Tones From an Active Call

During a call, dial digits or select a number, then:

Press	To
1 `MENU`	open the `Dialing Menu`
2 ⬍	scroll to `Send Tones`
3 `SELECT` (➤)	send number as DTMF tones

TTY Operation

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

Notes:

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

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

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

Set TTY Mode

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

Note: You must set the phone to a TTY mode prior to making a call. You cannot activate or change the TTY mode setting during an active call.

Find the Feature　　`MENU` > Settings
　　　　　　　　　　　　 > Other Settings
　　　　　　　　　　　　 > Initial Setup
　　　　　　　　　　　　 > TTY Setup

Press		To
1	📱	scroll to `TTY Setup`
2	CHANGE (➤)	change the TTY mode
3	📱	scroll to the TTY mode
4	SELECT (➤)	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 display during an active TTY call.

Return to Voice Mode

To return to normal voice mode, select `Voice` from the `TTY Setup` menu as described on page 118.

Using Hands-Free Features

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.

Activate An Attached Speakerphone

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

Press	To
SPEAKER (➤) (if available) or 〈MENU〉 > Spkrphone On	activate the attached speakerphone

Automatic Answer

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

Find the Feature   〈MENU〉 > Settings
 > Other Settings

Press	To
1 🔼	scroll to Car Settings or Headset
2 SELECT (➤)	select the feature
3 🔼	scroll to Auto Answer
4 SELECT (➤)	select Auto Answer
5 🔼	scroll to On or Off

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Press	To
6 SELECT (➤)	confirm the setting

Automatic Hands-Free

You can set up 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 period of time after you switch off the
ignition. This prevents the phone from draining your vehicle
battery, but leaves the phone on long enough that you do
not have to re-enter your unlock code when making short
stops.

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

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

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

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.

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

Find the Feature   MENU > Settings
                            > Other Settings
                            > Car Settings
                            > Charger Time

Press	To
1 📶	scroll to the charge time
2 SELECT (➤)	confirm your selection

Making Data and Fax Calls

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

- Synchronize phonebook and datebook information between your phone and a computer or PDA.

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

- Use your phone to send and receive data and fax calls from your computer or handheld device.

Make a Cable Connection

Installing the Software

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

Attaching the Cable

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

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

Serial Cable

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 device and tighten the screws, if present.
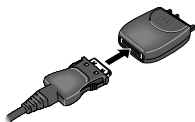
USB Cable

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

Synchronize Data

You can synchronize phonebook and datebook information between your phone and a computer or handheld 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.

Send a Data or Fax Call

Use this procedure to send data or a fax from a connected device using a CSD or GPRS network connection.

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Connect your phone to the device as described on
pages 123-125 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 or fax) **Note:** You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer, unless you are making a talk then fax call (see page 127).
3	End the call from the connected device	close the call and connection when the transfer is complete

Receive a Data or Fax Call

Use this procedure to transfer data or a fax to your
computer or handheld device. Connect your phone to the
device as described on pages 123-125.

Transferring the Data or Fax

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

Ending the Data/Fax Connection

When the data or fax transfer is complete:

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

Make 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 as described on pages 123-125 and do the following:

Press		To
1	keypad keys	enter the phone number
2	`MENU`	open the `Dialing Menu`
3	:black_small_square:	scroll to `Talk Then Fax`
4	`SELECT` ( )	select `Talk Then Fax`
		Your selection applies to the next call only.
5		make the call
		Speak and, when ready, initiate the fax transfer on the connected device. When the transfer is complete, end the call from the connected device.

Monitoring Phone Use

View and Reset Call Timers

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

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.

To view a call timer:

Find the Feature   **MENU** > Recent Calls
                              > Call Times

Select one of the following options:

Timer	Description
Last Call	Approximate time spent on the last dialed or received call. You cannot reset this timer.
Dialed Calls	Approximate total time spent on dialed calls since the last time you reset this timer.
Received Calls	Approximate total time spent on calls received since the last time you reset this timer.

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

To reset the call timer:

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

View and Reset Cost Trackers

To view a cost tracker:

Find the Feature   MENU > Recent Calls
> Call Cost

Select one of the following options:

Cost Tracker	Description
Credit Available	Amount of credit available. For GSM advice of charge, available only if you set a credit limit.
Expiration Date	Date that available credit expires. Available only with subscription to a prepay option.

Cost Tracker	Description
Last Deposit	Amount of last deposit. Available only with subscription to a prepay option.
Last Call	Amount spent on last dialed or received call. You cannot reset this cost tracker.
Dialed Calls	Amount spent on dialed calls since the last time you reset this cost tracker.
Received Calls	Amount spent on received calls since the last time you reset this cost tracker.
All Calls	Amount spent on 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 reset the cost tracker:

Press	To
1 RESET ($\blacktriangleright$)	reset the cost, if available
2 OK ($\blacktriangleleft$)	enter your PIN2 code to confirm the reset

View Credit Information

Prepay Option

If you subscribe to a prepay option, you can view the amount of credit available, its expiration date, and the date of your last deposit.

Find the Feature   `MENU` > Settings
> Phone Status
> Credit Info

Advice of Charge Option

If you subscribe to an advice of charge option, you can view the amount of credit available.

Find the Feature   `MENU` > Settings
> Phone Status
> Credit Available

Adjust Call Cost Settings

You can set a credit limit so that the phone displays your remaining credit during calls. The phone notifies you when you near your limit, and ends the call when you reach it.

Find the Feature   `MENU` > Settings
> In-Call Setup
> Call Cost Setup

Use Timers During a Call

You can set a timer to beep at selected intervals during a call, and display different types of information during a call.

Find the Feature $\boxed{\text{MENU}}$ > Settings
                                       > In-Call Setup
                                       > In-Call Timer

Select one of the following options:

Time	Display the approximate 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.

Getting More Out Of Your Phone

View and Reset GPRS Packet Data Timers and Data Volume Meters

Your phone may use a high-speed GPRS (General Packet Radio Service) network connection to transfer data during a data or fax call. This type of procedure, where an external device uses your phone to upload or download data, is referred to as an *external data session*.

Your phone's micro-browser also may use a GPRS connection to upload and download data from the Internet. This is an example of an *internal data session*.

Your phone tracks, in one-minute increments, the approximate time spent and approximate volume of data transferred during these data sessions.

The amount of data session time and data transfer volume you track on your resettable data timers and data volume meters may not equal the amount of data session time or data transfer volume for which you are billed by your service provider. For billing information, please contact your service provider directly.

Data Timers

You can view the approximate time spent on the last data session, view the approximate total time spent on all data sessions, and reset the All Data Sessions timers.

To view timers for the last data session:

Find the Feature $\qquad$ MENU > Recent Calls
> Data Times
> Recent Data Session

Select one of the following options:

Timer	Description
External Data Session	Approximate time spent on the last external data session. You cannot reset this timer.
Internal Data Session	Approximate time spent on the last internal data session. You cannot reset this timer.
Total Time	Approximate total time spent on the last external and internal data sessions. You cannot reset this timer.

To view or reset cumulative timers for all data sessions:

Find the Feature   M > Recent Calls
                          > Data Times
                          > All Data Sessions

Select one of the following options:

Timer	Description
External Data Sessions	Approximate total time spent on all external data sessions since the last time you reset this timer.
Internal Data Sessions	Approximate total time spent on all internal data sessions since the last time you reset this timer.

Timer	Description
Total Time	Approximate total time spent on all external and internal data sessions since the last time you reset this timer.
Reset All	Reset all data sessions timers.

Data Volume Meters

You can view the volume of data transferred during the most recent data session, view the total amount of data transferred for all data sessions, and reset the All Data Sessions volume meters.

To view volume meters for the last data session:

Find the Feature   MENU > Recent Calls
> Data Volumes
> Recent Data Session

Select one of the following options:

Timer	Description
External Data Session	View data sent, data received, and total volume of data sent and received during the last external data session. You cannot reset this volume meter.
Internal Data Session	View data sent, data received, and total volume of data sent and received during the last internal data session. You cannot reset this volume meter.

Timer	Description
Total Data Transferred	View data sent, data received, and total volume of data sent and received during the last external and internal data sessions. You cannot reset this volume meter.

To view or reset cumulative volume meters for all data sessions:

Find the Feature   MENU > Recent Calls
> Data Volumes
> All Data Sessions

Select one of the following options:

Timer	Description
External Data Sessions	View data sent, data received, and total volume of data sent and received for all external data sessions since the last time you reset this volume meter.
Internal Data Sessions	View data sent, data received, and total volume of data sent and received for all internal data sessions since the last time you reset this volume meter.

Timer	Description
Total Data Transferred	View data sent, data received, and total volume of data sent and received for all external and internal data sessions since the last time you reset this volume meter.
Reset All	Reset all data sessions volume meters.

Adjusting 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.

Find the Feature　　　 **MENU** > Settings
> Other Settings
> Network

Setting the Frequency Band

You may be able to manually change the frequency band your phone uses for calls when you travel from regions using 1900 MHz (common in North and South America) to regions using 900/1800 MHz (common in Europe and Asia) or vice versa. Contact your service provider for more information regarding global roaming.

Note: If the Band option is not available, your phone is configured to automatically search all bands for service.

Find the Feature   MENU > Settings
                              > Other Settings
                              > Network
                              > Network Setup

	Press	To
1	CHANGE ($\Longrightarrow$)	select Band
2	🔼	scroll to the frequency band
	or	
		scroll to Automatic to let your phone select the band
3	SELECT ($\Longrightarrow$)	confirm the setting

Security

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 52.

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 (➤)	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 (⯈)	activate automatic lock

Unlock Your Phone

At the Enter Unlock Code prompt:

Press	To
1 keypad keys	enter your unlock code
	If you do not know your code, see page 142.
2 OK (⯈)	unlock your phone

Changing a Code, PIN, 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. The unlock code must contain four digits, and the security code must contain six digits.

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

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, open the unlock code editor 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

Security

If You Forget a Code, PIN, or Password

If you forget your security code, SIM card PIN code, PIN2 code, 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 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

Protecting the SIM Card

Your PIN (Personal Identification Number) code protects the information stored on your SIM card. When SIM PIN is activated, you must enter your SIM card PIN code each time you turn on the phone or insert a SIM card.

Find the Feature   **MENU** > 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

Security

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 `SIM Blocked`. You must enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.

Caution: If the unblocking attempt is tried unsuccessfully 10 times, the SIM card is permanently disabled and your phone displays `SIM Disabled`.

	Press	To
1	🔘 🔘 🔘 🔘 🔘	open the PIN unblocking editor
2	keypad keys	enter the PUK code
3	`OK` (➤)	submit the PUK code
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
6	keypad keys	re-enter the new SIM PIN code
7	`OK` (➤)	confirm the new SIM PIN code and unblock the SIM card

Security

Unblock the SIM Card PIN2 Code

If you enter an incorrect SIM card PIN2 code three times in a row, your SIM PIN2 features are disabled and your phone displays `SIM Blocked` when you try to use a PIN2 feature. You must enter a PIN2 unblocking key (PUK2) code, which you can obtain from your service provider.

	Press	To
1	⬅* ⬅* 0+ 5ᴶᴷᴸ 2ᴬᴮᶜ ⬅*	open the PIN2 unblocking editor
2	keypad keys	enter the PUK2 code
3	OK (➡)	submit the PUK2 code
4	keypad keys	enter a new SIM card PIN2 code
		Note: The SIM PIN2 code must be between four and eight digits in length.
5	OK (➡)	assign the new SIM PIN2 code
6	keypad keys	re-enter the new SIM PIN2 code
7	OK (➡)	confirm the new SIM PIN2 code and unblock PIN2 features

Locking and Unlocking Applications

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

Find the Feature　　　 `MENU` > Settings > Security > Lock Application

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

Personal Organizer Features

Datebook

The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. You can set the datebook to send a reminder alarm for specific events.

The datebook also provides an alarm clock with delay button.

Note: You must set the correct time and date on your phone to use the datebook. See page 47.

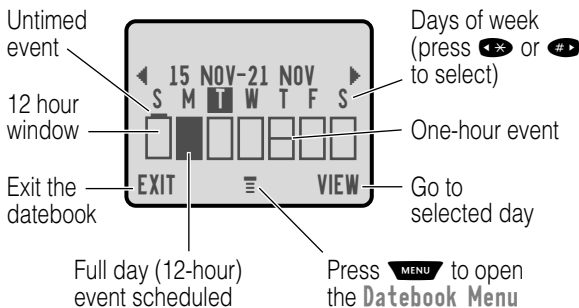To schedule or review events in the datebook:

Find the Feature 　　 `MENU > Datebook`

Personal Organizer Features

Week View

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

Untimed event

Days of week (press ⏺ or #⏺ to select)

12 hour window

One-hour event

Exit the datebook

Go to selected day

Full day (12-hour) event scheduled

Press MENU to open the Datebook Menu

Day View

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

Untimed event

Day of week

Down scroll arrow

Reminder alarm

Event

Return to previous screen

Press MENU to open the Datebook Menu

Show event details

Personal Organizer Features
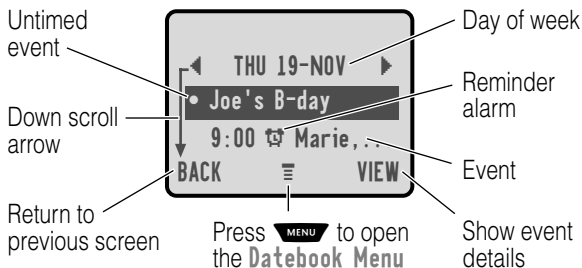
Event View

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

Reminder alarm — ☼ THU 9:00am — Day and time

Marie, mtg about — Event details

Down scroll arrow — new product

BACK ≡ EDIT — Edit event

Return to previous screen

Press MENU to open the Datebook Menu
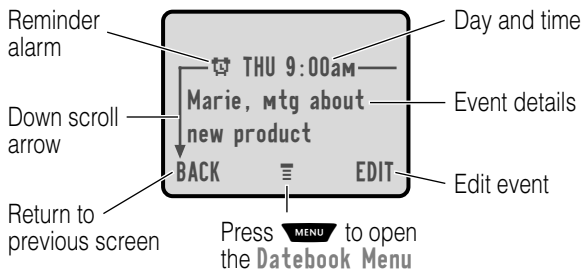
Add a Datebook Event

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

Note: You must create an event to use the reminder alarm.

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.

Personal Organizer Features

Press	To
5 DONE ($\blacktriangleleft$)	store the event

Change Event Information

Find the Feature $\qquad$ $\overline{\text{MENU}}$ > Datebook

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

Copy an Event

Find the Feature $\qquad$ $\overline{\text{MENU}}$ > Datebook

Press	To
1 $\bullet\bullet$ or $\bullet\bullet$	scroll to the day
2 VIEW ($\blacktriangleright$)	display the day view
3 $\blacksquare$	scroll to the event
4 $\overline{\text{MENU}}$	open the Datebook Menu
5 $\blacksquare$	scroll to Copy

Press	To
6 SELECT (➤)	copy the event
7 YES (◄)	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 ▶ (➤)	move to the month, day, and year
10 DONE (◄)	save the copy of the event
11 ▤	scroll to and edit event information, if necessary
12 DONE (◄)	store the information

Delete 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 Delete
6 SELECT (➤)	select Delete
7 YES (◄)	confirm the deletion

View and Dismiss an Event Reminder

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

Press	To
VIEW (`➤`)	view the event
	Press `▮` to scroll through the event details.
or	
EXIT (`◀`)	dismiss the reminder

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

Change the Datebook Setup

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

Find the Feature   `MENU` > Datebook
                              `MENU` > Setup

Synchronize with TrueSync Software

You can synchronize datebook 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.

Alarm Clock

Your phone includes an alarm clock that you set and activate from the datebook week view or day view.)

Notes:

- The alarm clock setting does *not* appear in the datebook day view, and is not synchronized with datebook settings

 - Your phone must be turned on to use the alarm

Set the Alarm

Find the Feature   MENU > Datebook
                      MENU > Alarm Clock

Press	To
1 SELECT (⊳)	edit the alarm settings
2 CHANGE (⊳)	select Start

Press	To
3 keypad keys	enter the alarm activation time
4 DONE (◀▬)	store the time
5 🔋	scroll to other fields and enter information as necessary You can set date, title, repeat interval, and an alarm clock indicator.
6 CHANGE (▬▶)	select Ringer
7 🔋	scroll to On to set the ringer or Off to turn off the ringer
8 DONE (◀▬)	store the alarm setting

Turn Off the Alarm

When the alarm is activated, your phone rings or vibrates (depending on the alarm setting for the current ring style), and displays the time and alarm title.

The alarm is programmed to ring for 30 minutes, or until you perform one of the following operations.

Press	To
EXIT (◀▬) or 🔋	turn off the alarm
DELAY (▬▶)	turn off the alarm for 8 minutes The alarm is reactivated at the end of 8 minutes.

Voice Notes

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

Record 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.

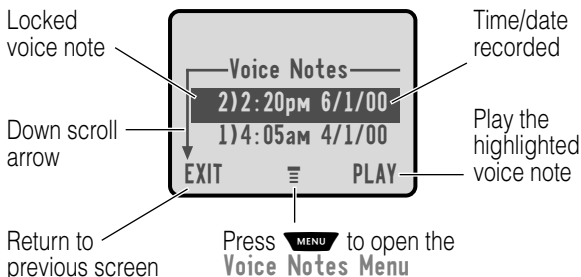|	**Do This**	**Result**
1	Press and hold the voice key for the duration of the recording.	The phone sounds an alert tone and begins recording.
2	Speak your voice note.	The phone records the voice note.
3	Release the voice key to stop recording.	The phone displays the voice note number and total recording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

View the Voice Notes List

Find the Feature   `MENU` > Voice Notes

Locked voice note ——

—— Time/date recorded

—— Voice Notes ——
2)2:20pm 6/1/00
1)4:05am 4/1/00

Down scroll arrow ——

—— Play the highlighted voice note

EXIT   ☰   PLAY

Return to previous screen ——

—— Press `MENU` to open the Voice Notes Menu

Play a Voice Note

Find the Feature   `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 as the voice note plays.

Indicates
% played

Voice note
number

Voice Note 3

Press ✺
to rewind

Press ⏼ to
fast forward

SAVE   ☰   DELETE

Return to
previous
screen

Press 🅼🅴🅽🆄 to open the
Voice Notes Menu

Erase
voice note

Personal Organizer Features
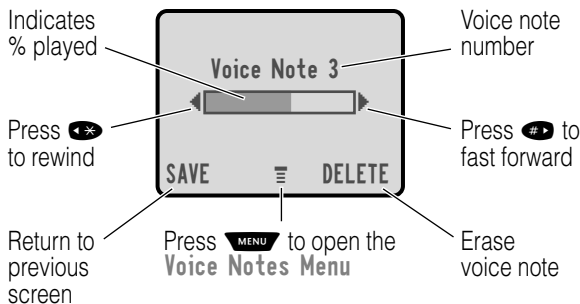
Voice Note Controls

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

Stop playback and return to voice notes list.

Raise or lower playback volume of voice note.

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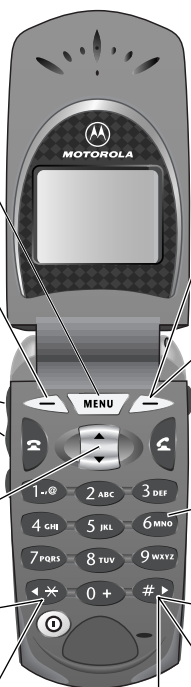
If voice note is locked, stop playback and unlock voice note.

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.

Lock and Unlock 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.

Delete a Voice Note

Find the Feature   MENU > Voice Notes

Press	To
1 🔼	scroll to the voice note
2 MENU	open the Voice Notes Menu
3 🔼	scroll to Delete or Delete All

Personal Organizer Features

Press	To
4 SELECT (`⟐►`)	select the highlighted option
5 YES (`◄⟐`)	confirm the deletion
or	
NO (`⟐►`)	cancel deletion

Notes:

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

Calculator

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

Calculate Numbers

Find the Feature `MENU` > Calculator

Press	To
1 number keys	enter a number
2 `⟐` or `⟐`	highlight a calculator function
3 SELECT (`⟐►`)	perform the function

Selected function appears here

Entered number

Press ● or ● to highlight a function

Press ● or ● to scroll to other functions

```
┌─ Calculator ─┐
│ +            0│
└──────────────┘
🔲🔲🔲🔳🔲🔲🔲▶
EXIT      ≡      SELECT
```

Exit the calculator

Press MENU to open the Calculator Menu

Perform the highlighted function
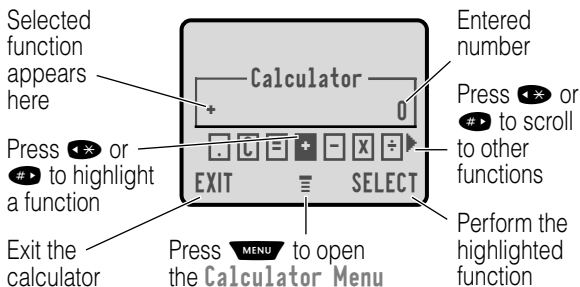
The calculator can perform the following functions:

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
$	Calculate the exchange rate
±	Change the entry's sign (positive/negative)
MS	Store the value in memory (overwrites values already stored)

Function	Description
MC	Clear the value stored in memory
MR	Replace the displayed value with the value stored in memory

Convert 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

News and Entertainment

Micro-Browser

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

Note: Your phone may use a high-speed GPRS (General Packet Radio Service) network connection. This type of connection is identified by a 🅖 or GPRS indicator in the idle display that disappears when you start a micro-browser session. If you see a 🎧 (connected call) indicator during a micro-browser session, your phone is using a standard voice channel connection. The type of network connection your phone uses depends on your service provider's network. Your network connection charges may vary depending on the type of connection used.

Start a Micro-Browser Session

Find the Feature　　　MENU > Browser

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

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

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

Interact With Web Pages

Press	To
▥	scroll through text, or highlight a selectable item
SELECT (➤)	select the highlighted item
keypad keys, followed by OK (➤)	enter information **Tip:** Press DELETE (◄) to delete one letter at a time if you make a mistake.
BACK (◄)	go back to the previous page
▣◥ᴹᴱᴺᵁ	open the Browser Menu

Download Pictures and Sounds

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

You can store these object files on your phone, and use them as screen saver images, and alert tones.

Storing a Picture or Animation File

Press	To
1 STORE (➤)	view storage options
2 🔘	scroll to Set as Screen Saver
3 SELECT (➤)	store the file and, optionally, set it as your screen saver image

For more information about using pictures and animations, see pages , 109, and 171.

Storing a Sound File

You can store a sound file, and set it as an event alert.

Press	To
1 STORE (➤)	view storage options
2 🔘	scroll to Store Only or Set As Ring Tone
3 SELECT (➤)	select the option
	If you select Store Only, the procedure is complete.
	If you select Set As Ring Tone, your phone displays Set As Which?, and lists the events for which you can set an alert.
4 🔘	scroll to the event
5 SELECT (➤)	store the sound and set it as the event alert

For more information about using sound files, see pages 98 and 101.

Create a New Web Session

Use this feature to edit or create a new *Web session*, or network connection profile. You can use different Web sessions to connect to the Internet in different ways.

Find the Feature   MENU > Web Sessions

To create a Web session, You must configure the following settings. Contact your service provider to obtain the following information, if necessary. Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Setting	Description
Name	Web session name
Homepage	default home page
WAP IP 1	primary WAP gateway IP address
WAP Port 1	primary WAP port number
WAP IP 2	secondary WAP gateway IP address
WAP Port 2	secondary WAP port number
Timeout	time at which the phone exits the micro-browser application when no keypress activity is detected
CSD No. 1	primary phone number to use to set up a CSD (circuit-switched data) connection

Setting	Description
User Name 1	user name for primary CSD number
Password 1	password for primary CSD number
Speed (Bps) 1	connection speed for primary CSD number
Line Type 1	line type (modem or ISDN) for primary CSD number
CSD No. 2	secondary CSD dial-up phone number
User Name 2	user name for secondary CSD number
Password 2	password for secondary CSD number
Speed (Bps) 2	connection speed for secondary CSD number
Line Type 2	line type (modem or ISDN) for secondary CSD number
GPRS APN	GPRS Access Point Name (the name of the WAP service provider)
User Name	user name for GPRS APN connection
Password	password for GPRS APN connection

Java Applications

Your phone may contain Java games and/or Java applications that add features and functionality to your phone. Java games and applications are stored in the `My Java Apps` folder. You can download and install additional Java games and applications on your phone.

Download an Application With the Micro-Browser

Find the Feature   `MENU` > `Browser`

Go to the page that contains the Java application you want, then:

Press		**To**
1	![scroll]	scroll to the application
2	SELECT (![➤])	view the application details
3	DWNLOAD (![➤])	download the application

Launch a Java Application

Find the Feature   `MENU` > `My Java Apps`

Press		**To**
1	![scroll]	scroll to the application
2	SELECT (![➤])	launch the application, or open the list of applications in a suite

Press	To
3 📳	scroll to the application you want, if necessary
4 SELECT (➤)	launch the application

Edit Network Connection Settings

Entering the DNS IP Address

Your phone must be set up with a valid *domain name service* (DNS) IP address before you can run Java applications that require an active network connection. In many cases, your service provider has already entered this address for you. Contact your service provider to obtain the DNS IP address, if necessary.

Find the Feature MENU > Java Tools > DNS IP

Press	To
1 keypad keys	enter the DNS IP address
2 OK (➤)	save the IP address

Approving a Network Connection

When a Java application tries to establish a network connection, your phone prompts you to approve the connection. To automatically approve network connections for Java applications:
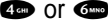
Find the Feature MENU > Java Tools > Network Access

Press	To
1 ⬍	scroll to Always Ask, Ask Once Per App, or Never Ask
2 SELECT (⮞)	select the highlighted setting

Use Control Keys

Your phone's keys perform the following functions in a Java application.

Key	Function
4ghi or 6mno	Move left or right in a game.
2abc or 8tuv	Move up or down in a game.
5jkl	"Fire" your weapon in a game.
🔚	End the application.
📞	Call a number in the application.
MENU	Open the Java applications menu.

Analyze or Delete a Java Application

Find the Feature   MENU > My Java Apps

Press	To
1 ⬍	scroll to the application
2 MENU	open the application manager menu
3 ⬍	scroll to a menu option

Press	To
4 SELECT (➤)	select the option to perform procedures as described in the following list

The application manager menu includes the following options:

Option	Description
View Details	Display the suite name, vendor, version, number of apps, flash usage, and memory requirements.
Delete	Delete the suite.

View Java Version and Available Memory

To view Java version information, or the amount of phone memory available for Java applications:

Find the Feature　　　MENU > Java Tools
　　　　　　　　　　　　　> Java System

Press	To
1 ▮	scroll through information as described in the following list
2 OK (➤)	close the display

Option	Displays
CLDC Version	The connected limited device configuration version on your phone.

Option	Displays
MIDP Version	The mobile information device profile version on your phone.
Data Space	Free memory available for application data (such as game scores or application settings).
Program Space	Free memory available for Java applications.
Heap Size	Amount of runtime memory available for Java applications.

SIM Applications

Your SIM card may contain applications that process your outgoing calls, text messages, and other events. Contact your service provider for more information.

Find the Feature　　　**MENU** > SIM Applications

Picture Viewer

Your phone may contain a variety of predefined pictures and animations. You can download additional pictures and animations and store them on your phone. You can insert pictures and animations into text messages, and use them as screen saver images

Download Pictures

To download a picture or animation from the micro-browser, see page 163. To download a picture or animation from a text message, see page 75.

Manage Pictures

Find the Feature `MENU` > Picture Viewer

Press	To
1 [icon]	scroll to the picture
2 SELECT (▶)	view the picture
3 [◄*] or [#►]	view the previous/next picture
or	
DETAILS (▶)	view picture information
or	
`MENU`	open the Picture Viewer menu to perform other procedures as described in the following list

The Picture Viewer menu includes the following options:

Option	Description
Details	View picture information.
Set as Screen Saver	Set the picture as your phone's screen saver image.
Rename	Rename the picture.

Option	Description
Delete	Delete the picture.

To adjust your phone's screen saver image, see page 109.

Games

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

Play 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

Blackjack

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

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. Based on their total face value, you can:

Press	To
STAY (◀)	see the results of the hand
HIT ME (▶)	request another card

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 █████ to select the following options:

Option	Description
Game Sounds	Switch game sounds on/off.
New Game	Start a new game.
Level	Choose the starting level of play.
Top Scores	View the top five scores.
Help	Review the goal of the game.

Mindblaster

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

  - 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 ⊙ or ⊙	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 a history of your last 10 guesses

Paddleball

Move your paddle to strike a bouncing ball. The paddle gets smaller and the ball goes faster as your score increases.

Rules of the Game

- Your score is the number of times your paddle hits the ball.

• The game is over when the paddle misses the ball.

How to Play

Press	To
🕹	move your paddle so that it hits the bouncing ball

Video Poker

Turn 100 credits into 9,999-plus 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.

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How to Play

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

Press	To
DEAL ($\blacktriangleright$)	start a new hand
4 GHI	select the card to the left
6 MNO	select the card to the right
5 JKL or DISCARD ($\blacktriangleleft$)	discard selected card
5 JKL or UNDO ($\blacktriangleleft$)	undo discard (replaces previous option after you discard)
DONE ($\blacktriangleright$)	remove discarded cards and deal replacements

Press MENU to select the following options:

Option	Description
Change Bet	Change bet amount (not available while hand is in play).
Game Sounds	Switch game sounds on/off.
New Game	Start a new game.
Choose Deck	Choose the deck image.
Awards Table	View the list of odds/payouts for each winning hand.
Help	Review the goal of the game.

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.

Turn 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.

Tune a Station

Do This	To
Press ⬍	scroll to the next frequency
or	
Press and hold ⬍	scroll to the next available stereo station

Store a Preset

Do This	To
Press and hold a number key (◯ to ◯)	assign its preset number to the tuned station

Select a Preset

Press	To
a number key (◯ to ◯)	tune the station stored at the preset location

Send and Receive 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 (◀)	ignore the call
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 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 📞 or the button on the FM Stereo Radio Headset microphone to go to the dialed calls list. For more information, see page 53.

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 battery charged? Do you see ▭ in the display?	The battery level indicator should have at least one segment showing (▭). If it does not, recharge your battery. See page 19.
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 page 17.
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.

Question	Answer
Is the phone set to the proper frequency band for your geographical region?	Phones in different regions of the world use different frequencies to establish a network connection. You may have to reset your phone's frequency to either 1900 MHz or 900/1800 MHz when you travel to a new location. See page 137.
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? **Was a non-Motorola battery or battery charger used?**	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.

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 142.
I pressed the power key, but nothing happened.	Be sure to press and hold ● (the power key) until the display appears and you hear an alert. This could take several seconds. If nothing happens, check that a charged battery is installed. See page 18.
The display says: 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 page 17.
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 page 143.

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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 page 142.
My phone does not ring.	If you see ⚊ or ▒░▒ in the display, then the ringer is turned off. See page 98. Also, the ringer may be set to Silent even though your phone is set to an audible ring style. See page 99.
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 27). 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 (`MENU` > `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 27). 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 upper volume key. 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 text message inbox.	Before you can use text messages, you must set up the message inbox. See page 65.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received: MENU > Recent Calls > Received Calls **or** Dialed Calls
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends PIN codes 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, try changing the DTMF setting. **1** From the idle display, press: MENU > 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 dark.	Use the Contrast feature to change the level of contrast in your display. See page 29. You can also use the Backlight feature to change the length of time that your phone's display backlight stays on. See page 29.
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, turning on the backlight, and other factors. For tips on extending your battery life, see page 22.
I am unable to record a voice note, voice name, or voice shortcut	Try moving to a quieter location to make your voice recording. Hold the phone about four inches (10 centimeters) from your mouth, and speak directly into the phone in a normal tone of voice.
My TTY device doesn't work with my phone.	Your phone must be set to a TTY mode for the phone to detect your TTY device. See page 118.

Problem	Solution
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.
My phone beeped when I attached the data cable, but my data and fax 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.

Problem	Solution
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.
I launched the micro-browser but the display says: Network 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: Server Not Responding.	Try again in a few minutes. The servers may be temporarily busy.

Specific Absorption Rate Data

The selected product Motorola V60i wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by 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 1.6W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

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

tested for use at the ear is 0.49 W/kg, and when worn on the body, as described in this user guide, is 0.23 W/kg. (Body-worn measurements differ among phone models, depending upon available accessories and regulatory requirements).[2]

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure.

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

`http://phonefacts.net`

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

`http://www.cwta.ca`

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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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 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.

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.

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.

ITC00-010

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	**One (1) year** from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Consumer and Professional Two-Way Radio Accessories.	**Ninety (90) days** from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	**The balance of the original warranty or for ninety (90) days** from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	**Ninety (90) days** from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided "as is" and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent

reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information?

USA	**Phones** 1-800-331-6456 **Two-Way Radios** 1-800-353-2729 **Pagers** 1-800-548-9954
Canada	**All Products** 1-800-461-4575
TTY	1-888-390-6456
For **Accessories** and **Software**, please call the telephone number designated above for the product with which they are used.	

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

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT

(INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

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

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

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Product Registration

Online Product Registration:

`http://www.motorola.com/warranty`

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

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

Thank you for choosing a Motorola product.

Export Law Assurances

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

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U.S. patent Re. 34,976

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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