INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Phoenix TDMA Wireless Telephone Basic User's Guide

Second Formal Review

October 6, 2000

Menu Map

- **Recent Calls**
  - Received Calls (p. 66)
  - Dialed Calls (p. 65)
  - Notepad (p. 66)
  - Call Times (p. 65)
- **Phonebook** (p. 64)
- **Datebook** (p. 58)
- **Quick Dial** (p. 64)
- **Radio** (p. 65)
- **Messages** (p. 59)
- **Shortcuts** (p. 68)
- **VoiceNotes** (p. 68)
- **mymotorola.com** (p. 59)
- **Browser** (p. 57)
- **Settings**
  - **Ring/Vibrate**
    - Alert (p. 66)
    - *Alert* Detail (p. 66)
  - **Phone Status**
    - My Tel. Number (p. 63)
    - Battery Meter (p. 63)
    - Phone: Line 1/2 (p. 64)
    - Other Information (p. 63)
- **Settings (continued)**
  - **Connection**
    - Incoming Call (p. 57)
  - **In-Call Setup**
    - In-Call Timer (p. 59)
    - Answer Options (p. 58)
    - Call Waiting (p. 58)
  - **Security**
    - Phone Lock (p. 67)
    - Lock Keypad (p. 67)
    - Lock Application (p. 67)
    - Talk Secure (p. 68)
    - Restrict Calls (p. 67)
    - New Passwords (p. 67)
  - **Other Settings**
    - Personalize (p. 62)
    - Initial Setup (p. 60)
    - Network (p. 62)
    - Car Settings (p. 60)
    - Headset (p. 60)

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

(Menu Map expansion to come)

Welcome

Welcome to the world of Motorola digital wireless communications! Motorola is a global leader in communications technology. We are pleased that you have chosen the Motorola wireless phone to keep you connected with ease.

All Motorola phones are designed and manufactured to meet Motorola's rigorous specifications and world-class quality standards. During development, our testing team took the Motorola through rigorous durability tests including temperature, humidity, shock, dust, vibration, and drop tests—and the phone still worked!

We are confident that you and your callers will find your wireless phone to be a convenient and reliable way to stay in touch. Thank you for choosing Motorola , and enjoy your new phone!

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

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

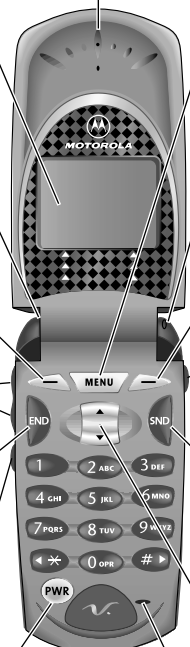
www.motorola.com

This product may be powered by a Nickel Metal Hydride or Lithium Ion rechargeable battery which must be recycled or disposed of properly. Refer to the battery label for battery type. Contact your local recycling center for a battery recycler near you.

Ⓜ, MOTOROLA, and all other trademarks indicated as such herein are trademarks of Motorola, Inc., Reg. U.S. Pat. & Tm. Off. All other product or service names are the property of their trademark owner respective owners.

© 2000 Motorola, Inc.
All rights reserved.
Printed in the U.S.A.

Phone Diagram



Display

Earpiece

Menu Key

Headset Jack
Insert headset accessory for hands-free use.

Status Light
See incoming call and service status.

Left Soft Key
Perform functions identified by left display prompt.

Right Soft Key
Perform functions identified by right display prompt.

Volume Keys
Adjust earpiece and ringer volume.

Voice Key
Record voice notes, phonebook and datebook entries.

End Key
End phone calls, exit menu system.

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

Smart Key
Select menu items, send and end calls.

Scroll Key
Move through menus and lists.

Accessory Connector Port
Insert charger, radio FM stereo headset.

Power Key

Microphone

About This Guide

Using Your Phone's Features

Your Motorola phone offers more features than ever before! This guide introduces you to many of these features. All features are noted, and many features are described in more depth. If you would like more detailed information, see the Motorola Web site at:
http://www.motorola.com/
or contact the Motorola Customer Call Center at 800-XXX-XXXX.

Navigating to a Menu Feature

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

Find the Feature	MENU > Recent Calls > Dialed Calls

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

Optional Features

Features marked with this label are optional network and subscription-dependent features. Contact your service provider for information about availability.

Contents

Safety and General Information 11

Getting Started 20

What's in the Box? 20

Installing the Battery 21

Charging the Battery 23

Turning Your Phone On 24

Sending a Call 24

Ending a Call 25

Receiving a Call 25

Displaying Your Phone Number 26

About Your Phone 27

Display 27

Status Light 30

Volume Keys 31

Smart Key 32

External Display 33

Battery Use 34

Sending and Receiving Calls 36

Redialing a Number 36

Using Automatic Redial 36

Caller ID 37

Returning an Unanswered Call 37

Dialing an Emergency Number When the Phone is Locked 38
Entering Numbers in the Notepad 38
Canceling the Ring or Vibrate Alert 39
Dialing With Speed Dial 39
Dialing With One-Touch Dial 40
Dialing a Number In a Text Message 41
Additional Dialing Features 42

Using Features While On a Call 45
Using Call Waiting 45
Making a Three-Way Call 46
Additional On-Call Features 46

Using the Menu 48
Navigating to a Feature 48
Selecting a Feature Option 49
Entering Feature Information 50
Entering Text 53

Menu Feature Descriptions 57

Recent Calls 69
Viewing the Received Calls or Dialed Calls List 69
Using the Notepad 72

Call Timers 73
Using Call Timers 73
Viewing and Resetting Call Timers 74

Phonebook 75
Fields in a Phonebook Entry Form 75
Storing a Phonebook Entry 76
Recording a Voice Name For a Phonebook Entry . . . 78
Dialing a Phonebook Entry 79
Editing a Phonebook Entry 81
Deleting a Phonebook Entry 81
Checking Phonebook Capacity 82
Synchronizing with TrueSync Software 82
Setting Up the Phonebook 83

Datebook 84
Week View 84
Day View 85
Event View 85
Storing a New Event 86
Changing Event Information 87
Copying an Event 87
Deleting an Event 88

Radio 90
Turning the Radio On and Off 90
Tuning a Station 90
Storing a Preset 91
Selecting a Preset 91
Sending and Receiving Calls with the Radio On . . . 91

Voicemail 92
Storing Your Voicemail Number 92
Receiving a New Voicemail Message 92
Listening to a Voicemail Message 93

Text Messages 94
Setting Up the Text Message Inbox 94
Receiving a New Text Message 96
Reading, Locking, or Deleting a Text Message 96
Sending a New Text Message 99

Shortcuts 101
Pre-Programmed Shortcuts 101
User-Settable Shortcuts 102
Creating a Keypad Shortcut 102
Creating a Voice Shortcut 103
Using Shortcuts 105

Voice Notes 107
Recording a Voice Note 107
Viewing the Voice Notes List 108
Playing a Voice Note 109
Locking and Unlocking a Voice Note 111
Deleting a Voice Note 112

Browser 113
Starting a Browser Session 113
Home Page Setup 114

Adjusting Your Settings 115
Ring/Vibrate 115
Reordering Menu Items 117
Customizing a Soft Key Function 118
Hands-Free Use 118

Data and Fax Calls 121
Connecting Your Phone to an External Device 121
Sending a Data or Fax Call 124
Receiving a Data or Fax Call 125

Security 127
Assigning a New Code or Password 127
If You Forget a Code or Password 128
Locking and Unlocking Your Phone 129
Locking and Unlocking Your Keypad 130
Restricting Calls 131

Troubleshooting 133

Specific Absorption Rate Data 143

FDA Update 146

Export Law Assurances 157

Patent Information 158

Index 165

Safety and General Information

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

RF Operational Characteristics

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits radio frequency (RF) energy. The phone operates in the frequency range of 806 MHz to 870 MHz and employs digital modulation techniques.

When you communicate with your phone, the system handling your call controls the power level at which your phone transmits. The output power level typically may vary over a range from 0.00024 watts to 0.6 watts.

Exposure To Radio Frequency Energy

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

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

- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- National Radiological Protection Board of the United Kingdom 1995
- 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 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.** Use of non-Motorola-approved accessories may exceed FCC RF exposure guidelines. **If you do not use a**

body-worn accessory, and are not holding the phone in the normal use position at the ear, ensure the antenna is 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 antenna at least one inch (2.5 centimeters) from your body.**

Approved Accessories

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

Electromagnetic Interference/ Compatibility

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

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your phone in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

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

Medical Devices

Pacemakers

The Health Industry Manufacturers 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, Wireless Technology Research.

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. An air bag inflates 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 the vehicle's occupants.

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" for use in such areas (for example, Factory Mutual, CSA, or UL Approved). 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: Areas with potentially explosive atmospheres include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

Operational Cautions

Antennas

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

Batteries

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

What's in the Box?

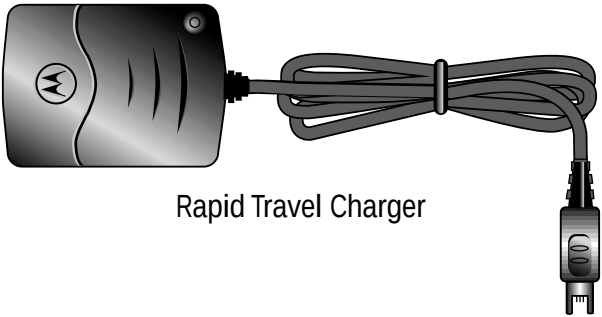
Your digital wireless phone typically comes equipped with a battery and a charger. Other accessory options can customize your phone for maximum performance and portability. The following illustrations shows the standard package contents.

Note: Your phone and accessories may not look exactly as pictured.

Motorola Telephone

Lithium Battery

Belt Clip



Rapid Travel Charger

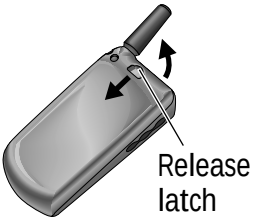
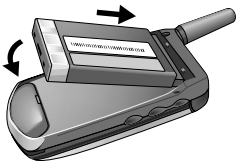
Installing the Battery

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

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

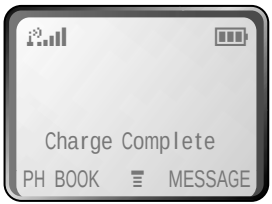
Do This

1 Remove the battery from its protective clear plastic case.

Do	This
2 Push down the battery door release latch and lift the battery door off of the phone.	
3 Insert the battery, printed arrows first, into the battery compartment and push down.	
4 Replace and close the battery door.	

Charging the Battery

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

Do	This
1 Plug the rapid travel charger into your phone with the release tab facing up.	**Illustration to come**
2 Plug the other end of the rapid travel charger into the appropriate electrical outlet.	
3 When your phone indicates that the battery is fully charged, press the release tab and remove the rapid travel charger.	

Tip: When your phone is turned on, the battery level indicator in the upper right corner of the phone display shows the amount of charge left in your battery. (See the "Battery Level Indicator" item on page 29.)

Turning Your Phone On

Do This	To
1 Open your phone	expose the keypad
2 Press and hold PWR (the power key)	turn on your phone
3 Enter your four-digit unlock code and press OK ( )	unlock your phone, if necessary The unlock code is originally set to 1234. (For more information, see "Locking and Unlocking Your Phone" on page 129.)

Sending a Call

To call a number, your phone must be turned on, be unlocked, and have a network connection with adequate

signal strength.

Do This	To
1 Extend the antenna	optimize signal reception
2 Press the keypad keys	dial the phone number (up to 32 digits) **Tip:** If you make a mistake, press DELETE (▬) to delete the last digit, or press and hold DELETE (▬) to clear all digits.
3 Press SND (send key)	send the call

Ending a Call

Press	To
END (end key)	end the call

Receiving a Call

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

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

Press	To
SND or ANSWER ( )	answer the call

Displaying Your Phone Number

Press	To
MENU #	see your phone number

About Your Phone

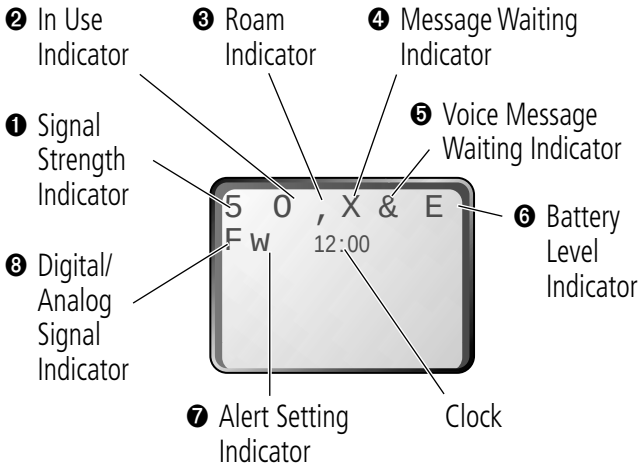
See the inside cover page for a diagram of your phone that describes basic phone components.

Display

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

Messages, phone numbers, and menu options appear in the middle of the display. Text labels at the bottom of the display show the current soft key and menu key functions. For a description of the soft key and menu key labels, see "Using the Menu" on page 48.

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



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

Strong No signal

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

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

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

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

❺ Voice Message Waiting Indicator Appears when your voicemail receives a message.

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

High Empty

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

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

	Loud ring		Soft ring
	Vibrate		Ring and vibrate
	Silent		

❽ Digital (D) or Analog (A) Signal Indicator Shows whether you are receiving a digital or analog signal.

Adjust Zoom Setting

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

To change the display view from the idle display or while in a menu application:

Press MENU once, then press and hold MENU again within two seconds of the first press.

You can also set the display zoom factor from the menu. See the "Zoom" item on page 62.

Status Light

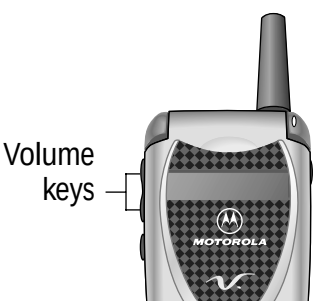
The status light tells you when you have an incoming call or message, or when your phone is "roaming" (using a non-home system). The light

changes color to indicate different states:

Indication	State
alternating red/ green (fast)	incoming call
flashing green	in service, home-type system
flashing yellow	roaming, non-home-type system
flashing red (slow)	no service
flashing red (fast)	text or voicemail message received, but no service
alternating green (short)/red (long)	text or voicemail message received, home service
alternating yellow (short)/red (long)	text or voicemail message received, roaming service

Volume Keys

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

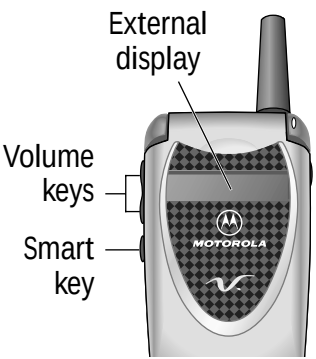


When	Press	To
During a call	volume keys	increase or decrease earpiece speaker volume
When you are not on a call	volume keys	increase or decrease ringer volume

You can also use the volume keys to scroll up or down through menus and lists.

To change keypad volume, see "Select a Ring/Vibration for a Specific Event" on page 115.

Smart Key



The smart key gives you another way to perform many basic phone functions. It's called the smart key because it anticipates the next action you are likely to perform. For example, if you highlight an item and press the smart key, the smart key selects the highlighted item. You can use the smart key to send and end calls, select menu items, toggle features on

and off, and open your phonebook. The smart key usually performs the same function as the right soft key ( ).

You can also use the smart key to perform specific functions in the external display when your flip is closed. See the following section for details.

External Display

When your phone is on and the flip is closed, the external display shows the time and date. It also displays messages to notify you of events (like incoming calls) that need your attention.

Set Phone Alert

To change your phone's alert in the external display:

Press	To
1 volume keys	scroll to Alert
2 smart key	select an alert type
3 volume keys	return to the idle display

Return an Unanswered Call

When you cannot answer a call, your phone keeps a record of your unanswered calls and displays the message

X Missed Calls, where X is the total number of missed calls. When you see the X Missed Calls message in the external display:

Press	To
1 smart key	see the received calls list
2 volume keys	scroll through the list and select a call that you want to return
3 smart key	send 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.

Battery Use

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

To use your battery to its fullest capacity:

- Always use Motorola approved 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 car.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.
- The more you talk on the phone or use phone features (like sending text messages), the less standby time your battery has. You can also extend battery life by turning off the status light. (See the "Status Light" item on page 62.)

Sending and Receiving Calls

For basic instructions on how to send a call, end a call, and receive a call, see page 24 of the "Getting Started" section.

Redialing a Number

If you hear an ordinary busy signal, the phone number you dialed is busy.

Press	To
1 END	hang up
2 SND	redial the busy number

Using Automatic Redial

If the network is busy, you hear a fast busy signal, and your phone displays the message Call Failed along with the reason for the failure.

With automatic redial, your phone repeats the call attempt over the next four minutes.

Press	To
SND or RETRY ( )	activate automatic redial

When the call goes through, your phone rings or vibrates once, displays Redial Successful, and then connects the call automatically.

Caller ID

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

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

Returning an Unanswered Call

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

- the (missed calls) icon
- the message X Missed Calls Y Unknown, where X is the total number of missed calls and Y is the number of missed calls for which caller ID information is not available.

Press	To
1 VIEW ( )	see the received calls list
2	scroll through the list and select a call that you want to return
3 SND	send the call

Dialing an Emergency Number When the Phone is Locked

Your service provider programs one or more emergency phone numbers that you can call even if your phone is locked or restricted.

Press	To
1 any keypad key	display the enter code or locked prompt
2 keypad keys	dial the emergency number (such as 911)
3 SND	call the emergency number

Entering Numbers in the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the

notepad. These digits can be the last phone number that you called, or a phone number that you simply entered but did not call. Even when you turn off the phone, these digits remain in the notepad.

You can use the notepad to store a phone number that you intend to call later (such as a phone number told to you by the other party during an active call). To retrieve these digits, see "Using the Notepad" on page 72.

Canceling the Ring or Vibrate Alert

While the phone is ringing or vibrating:

Press	To
END or IGNORE ( )	cancel the ring or vibrate alert

Depending on your phone settings and the type of subscription you have with your service provider, the call may be forwarded, or the calling party may hear a busy signal. To specify a ring or vibrate type, see "Ring/Vibrate" on page 115.

Dialing With Speed Dial

The *speed dial* feature lets you dial any phonebook entry with a mimimal number of keypresses.

Whenever you store an entry in your phonebook, the entry is assigned a unique speed dial number. If you know the speed dial number for the phonebook entry you want to call, you can use the speed dial feature.

Press	To
1 keypad keys	enter the one-, two-, or three-digit speed dial number for the entry you want to dial
2 SND	call the entry

To make an entry in the phonebook or view an existing entry's speed dial number, see "Storing a Phonebook Entry" on page 76.

Dialing With One-Touch Dial

You can call phonebook entries 2 through 9 with the push of a single key:

Press and hold the one-digit speed dial number for one second.

You *cannot* use one-touch dial to call phonebook entry number 1, since the 1 key is reserved for dialing your voicemail number. See "Listening to a Voicemail Message" on page 93.

To store entries in locations 2 through 9 in the phonebook, see "Storing a Phonebook Entry" on page 76.

Note: You must activate the one-touch dial feature before you can use it. See the "One-Touch Dial" item on page 61.

Dialing a Number In a Text Message

Find the Feature MENU > Messages > Text Msgs

Press	To
1	scroll to the message with the number
2 MENU	open the text message menu
3	scroll to Call Back
4 SELECT ( )	dial the number in the message

If the phone lists more than one number for the message, press to scroll to a number and then press SELECT ( ) to dial.

Note: You must set up your inbox before opening text messages. See "Setting Up the Text Message Inbox" on page 94.

Additional Dialing Features

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

Do This	To
Press 0 OPR for two seconds	insert the international access code for the country from which you are calling
Press MENU > Attach Digits	attach digits to precede the phone number you are calling
Press MENU > Add Digits	add digits to follow the phone number you are calling

Do This	To
Press MENU and then scroll to and select one of the following: • Insert Pause (to insert a p) • Insert Wait (to insert a w) • Insert 'n' (to insert an n)	insert a special character when making a calling card call: • **Pause** tells your phone to wait until the call connects before it sends the next digit. • **Wait** tells your phone to wait until the call connects, then prompt you before it sends the next digit. • **'n'** tells your phone to stop and prompt you for a number before it sends the next digit.
Press MENU > Send Message	create a text message addressed to the number entered

You can also call numbers using these features:

Do This	To Call
Press the voice key and say the name (in two seconds).	a phone number using the voice dial feature See "Recording a Voice Name For a Phonebook Entry" on page 78.
Press MENU > Recent Calls > Received Calls or Dialed Calls > *entry to call*	a missed call or a number from a call you recently dialed or received

Using Features While On a Call

Using Call Waiting

If you subscribe to call waiting, you may hear a tone while you are on a call. This tone indicates that you have received a second call.

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

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

To end the first call and answer the second call:

Press	To
1 END	end the current call Your phone rings to signal the new call.
2 SND	answer the new call

Making a Three-Way Call

During a call, you can call and connect a third party so that the three of you can talk together. You cannot do this if you already have a call on hold.

During a call:

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

Additional On-Call Features

While you are on a call, you can perform the following tasks:

Do This	To
Press MENU > Mute **or** Press MUTE ( ) (if available)	mute a call

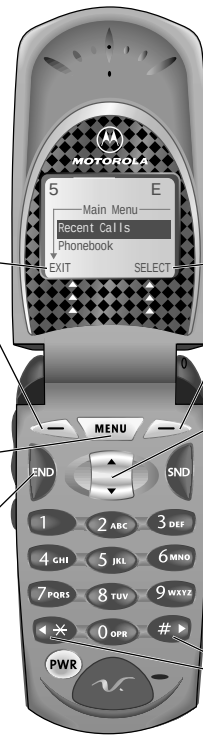
Do This	To
Press MENU > Spkrphone On **or** Press SPEAKER (▬) (if available)	activate the speakerphone (hands-free mode)
Press MENU > My Tel. Number	see your phone number
Press MENU > Send Tones	send a number as DTMF tones, for credit card calling or password entry

Navigating to a Feature

You can access many of your phone's features by using these keys to move through the menu system:

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

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



Scroll Key
Move up or down through menus and lists.

Menu Key
Enter the menu system.

End Key
Exit the menu system without making changes.

◀ * and # ▶
Cycle through and set the value of the highlighted menu item.

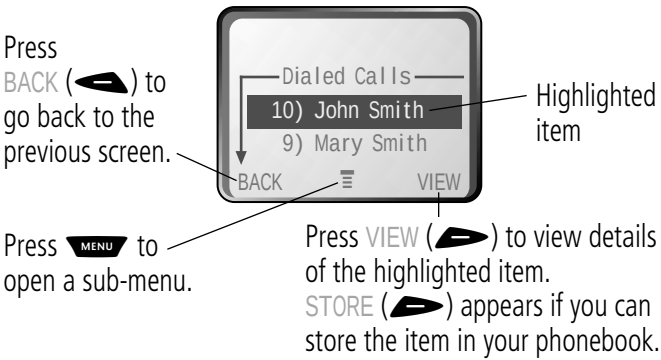
This guide shows you how to navigate to a specific menu feature as follows:

Find the Feature	MENU > Recent Calls > Dialed Calls

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

Selecting a Feature Option

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



Select an item by highlighting it. Use one of the following approaches:

- Press to scroll up or down to the item you want.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key multiple times to cycle through the letters on the key and highlight the closest matching list item.

Entering Feature Information

Features such as the phonebook and datebook require you to enter information to fill in an entry's details:

Press to scroll down to additional items.

Highlighted selection

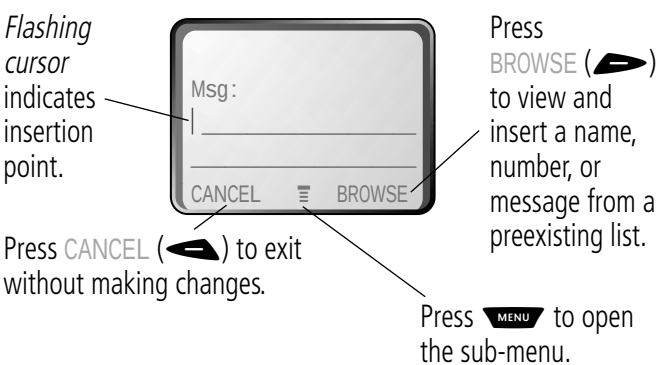
Press CANCEL ( ) to exit without making changes. DONE ( ) appears when you enter or edit information. Press DONE ( ) to save your changes.

Press CHANGE ( ) to edit the selected information.

- Enter numbers or text with the keypad. (See "Entering Text" on page 53.)

- When an item has a list of possible values, press * and # 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 then decide that you do not want to save your changes, press END to exit without saving.

The message center lets you compose and send text messages. (See "Entering Text" on page 53.) A *flashing cursor* shows you where the text will appear:



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

Block cursor indicates current highlighted character.

Press OK ( ) to accept and store the data.

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

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

Entering Text

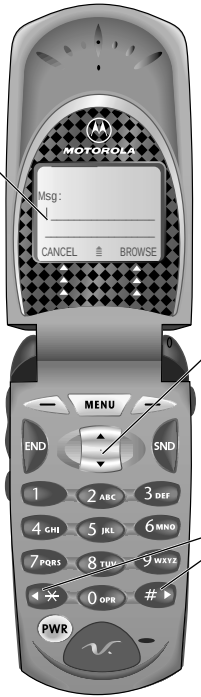
General Text Entry Rules

Use the keypad to enter letters, numbers, and other characters. Press the same key repeatedly to cycle through available characters (see "Character Chart" on page 54):

Press a number key to enter text at flashing cursor location.

Press a number key as many times as necessary to enter the desired character.

Press and hold a number key to cycle between uppercase and lowercase characters.



Move flashing cursor up or down one line, or change character in block cursor to uppercase or lowercase.

Move flashing cursor to the left or right.

- 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 unless you manually override it. (Hold the number key or press down to force the character to lowercase while it is highlighted by the block cursor.)

Character Chart

Use this chart as a guide for entering spaces, numbers, letters, and other characters. Press and hold a key to cycle between uppercase and lowercase characters.

1	*space* . 1 ? ! , @ _ & : " ( ) ' ¿ ¡ % £ $ ¥
2 ABC	A B C 2 Ä Å à α β Ç
3 DEF	D E F 3 Δ É è Φ
4 GHI	G H I 4 Γ ì
5 JKL	J K L 5 Λ
6 MNO	M N O 6 Ñ Ö Ø Ò Ω
7 PQRS	P Q R S 7 Π ß Σ
8 TUV	T U V 8 Θ Ü ù
9 WXYZ	W X Y Z 9 Ξ Ψ
0 OPR	+ - 0 x * / = > < # §

iTAP™ Predictive Text Entry

The iTAP™ predictive text entry method lets you type the letters of a word using only one keypress per letter. To use iTAP, press MENU and select iTAP when you are prompted to enter text.

When you select iTAP, the third line of the display becomes a working area that shows a list of the most common words and letter combinations based on the keys you press. The list is updated with each keypress. When you have entered all the letters of a word, press * and # or the volume keys to scroll left and right through the list and select the word you want.

For example, to spell the word "act," press 2 2 8. The display shows:

Flashing cursor indicates insertion point.

Press * and # to scroll and see additional word choices in the working area.

Press DELETE (—) to clear the last letter entered.

Press SELECT (—) to enter the highlighted word at the insertion point.

If the word you are spelling is not in the iTAP dictionary, an appropriate letter combination may not appear in the word list. Delete one or more characters until you see an accurate letter combination, then highlight it to lock that portion of the word. Continue entering letters and highlighting letter combinations to spell the word.

- The first word of a sentence is automatically capitalized, with following words in lowercase. Press one or more times to force initial character capitalization, all uppercase, or all lowercase characters.
- A space is automatically added after each word. When you add punctuation, the space before the punctuation is removed. Press 1 or 0 OPR to enter punctuation or other characters as shown in the "Character Chart" on page 54.
- To type a number, enter the first digit and then highlight it in the working area. Following keypresses add digits to the number until you press SELECT ( ) to enter the number at the insertion point.

Menu Feature Descriptions

This chapter describes all of your phone's features in alphabetical order. Some descriptions also include page numbers where you can find more detailed information. If you would like to learn more about a specific feature, see the Motorola Web site at:
http://www.motorola.com/
or contact the Motorola Customer Call Center at 800-XXX-XXXX.

BROWSER

MENU > Browser

Optional Feature

Access Web pages and run Web-based applications.

The Browser delivers WAP (Wireless Application Protocol) pages from your service provider directly to your phone. See "Browser" on page 113.

CONNECTION

Optional Feature

Connect your phone to a computer or fax machine to send and receive fax and data calls on the connected machine. Connect your phone using a cable or a cable and PCMCIA card.

Incoming Call

MENU > Settings > Connection > Incoming Call

Specify the format for the next incoming call. You can select Fax In Only, Data In Only, or Normal.

DATEBOOK

MENU > Datebook

Schedule appointments in the datebook calendar.

You can display events for the week, a day, or details for a specific event. See "Datebook" on page 84.

IN-CALL SETUP

Customize settings that provide information during a phone call, such as timers and call answering options.

Answer Options

MENU > Settings
> In-Call Setup
> Answer Options

Turn call answering options on or off:

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

Call Waiting

MENU > Settings
> In-Call Setup
> Call Waiting

Activate and deactivate call waiting.

When call waiting is activated and another call arrives while you are on a call, call waiting can play a tone to notify you of the new call. For information on using call waiting, see "Using Call Waiting" on page 45.

In-Call Timer

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

Adjust call timer display and beep settings. You can set your timer to beep at a selected interval during your calls. (60 seconds is the default.) You can also set your timer to display one of the following during calls:

Time	displays the elapsed time for the current call
Off	no in-call display for the timer

MESSAGES

MENU > Messages

Optional Feature

Listen to voicemail, send and receive text messages.

Your *voicemail* records voice messages from people who call you when you are unavailable. See "Voicemail" on page 92.

Your phone can also receive *text* messages which may include text, phone numbers, and Web addresses. See "Text Messages" on page 94.

MYMOTOROLA.COM

MENU > mymotorola.com

Launch the browser and go to the Motorola home page.

Optional Feature

OTHER SETTINGS

Car Settings

MENU > Settings
> Other Settings
> Car Settings

Optional Feature

Adjust hands-free car kit settings.

When your phone is connected to a car kit or headset and auto answer is set to on, the phone can automatically answer calls after two rings, and it can route calls directly to the car kit or headset. See "Hands-Free Use" on page 118.

Headset

MENU > Settings
> Other Settings
> Headset

Optional Feature

Adjust headset settings.

Initial Setup

MENU > Settings
> Other Settings
> Initial Setup

Set many basic phone options:

Animation	turns animation off (to conserve the battery) or on. Animation makes your phone's menus move smoothly as you scroll up and down.

Auto PIN Dial	automatically dials your PIN
Battery Save	adjusts the phone's power usage characteristics to conserve power
Auto Redial	automatically redials calls that fail due to busy network conditions
Backlight	changes the time that the backlight display is on, usually triggered by the amount of ambient light
Contrast Setting	adjusts the contrast setting for your display
DTMF	switches DTMF tones on or off
Language	sets the language for phone menus
Master Clear	performs master reset and clears all user-selectable options, resettable timer, recent call lists, and phonebook
Master Reset	resets all options back to their original factory settings *except* for the unlock and security codes
One-Touch Dial	assigns this feature to the first nine numbers in your phonebook

Scroll	forces the cursor to stop or wrap around when it reaches the top or bottom of a list in the display
Status Light	turns the status light off (to conserve battery power) and on
Time and Date	set the phone's time and date
Zoom	switches to three or two lines of display text

Network

MENU > Settings
> Other Settings
> Network

View and adjust your phone's network settings.

Your service provider registers your phone to a network. You may need to change the network registration to do things like connecting to a TTY device or using your phone as a wireless modem.

Personalize

MENU > Settings
> Other Settings
> Personalize

Set several personal phone options:

Banner	changes the text that appears in the idle display
Greeting	changes the text displayed when you turn on your phone

Keys	changes the functions of the soft keys in the inactive state (See "Customizing a Soft Key Function" on page 118.)
Main Menu	changes the order of the main menu (See "Reordering Menu Items" on page 117.)
Quick Dial	changes quick dial number(s)

PHONE STATUS

Battery Meter MENU > Settings > Phone Status > Battery Meter

View a detailed battery charge meter.

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

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

Other Information MENU > Settings > Phone Status > Other Information

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

Phone: Line 1/2

MENU > Settings
> Phone Status
> Phone: Line 1/2

Optional Feature

Change the active phone line (on dual-line phones) to send or receive calls from either of the available numbers.

PHONEBOOK

MENU > Phonebook

Open the phonebook list, where you can call or store numbers.

You can store names and phone numbers as entries in your phonebook. Then, you can call phonebook entries by selecting them from the phonebook list. See "Phonebook" on page 75.

QUICK DIAL

MENU > Quick Dial

Optional Feature

Dial pre-programmed customer service numbers.

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

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

RADIO

MENU > Radio

Optional Feature

Listen to FM radio stations with the optional Motorola FM stereo headset accessory. This menu feature is displayed only when the FM stereo headset is plugged into the accessory connector port on your phone. See "Radio" on page 90.

RECENT CALLS

See "Recent Calls" on page 69.

Call Times

MENU > Recent Calls
> Call Times

View call timers.

You can view five timers that track time spent on your last call, dialed calls, received calls, all calls since reset, and all calls total. See "Viewing and Resetting Call Timers" on page 74.

Dialed Calls

MENU > Recent Calls
> Dialed Calls

View a list of recently dialed calls.

Your phone keeps a list of phone numbers from calls you recently dialed (even if the calls did not connect). See "Viewing the Received Calls or Dialed Calls List" on page 69.

Notepad MENU > Recent Calls > Notepad

Call or store the last number entered on the keypad.

You can use this notepad to view the last number you entered, even if you did not call the number. See "Using the Notepad" on page 72.

Received Calls MENU > Recent Calls > Received Calls

View a list of recently received calls.

Your phone keeps a list of the numbers from calls you recently received (even if you did not answer). See "Viewing the Received Calls or Dialed Calls List" on page 69.

RING/VIBRATE

Alert MENU > Settings > Ring/Vibrate > Alert

Select a type of ring or vibration alert for incoming calls and messages. See "Ring/Vibrate" on page 115.

Alert Detail MENU > Settings > Ring/Vibrate > *Alert* Detail

Change details about the ring or vibration alert. *Alert* represents the name of the current alert setting. See "Ring/Vibrate" on page 115.

SECURITY

Lock Application

MENU > Settings > Security > Lock Application

Lock and unlock specific phone applications (such as phonebook and datebook) so that users must enter the unlock code to use them.

Lock Keypad

MENU > Settings > Security > Lock Keypad

Lock and unlock your keypad. See "Locking and Unlocking Your Keypad" on page 130.

New Passwords

MENU > Settings > Security > New Passwords

Change your unlock code (originally set to 1234) or your security code (originally set to 000000). See "Restricting Calls" on page 131.

Phone Lock

MENU > Settings > Security > Phone Lock

Lock and unlock your phone. See "Locking and Unlocking Your Phone" on page 129.

Restrict Calls

MENU > Settings > Security > Restrict Calls

Restrict incoming and outgoing calls. See "Restricting Calls" on page 131.

Talk Secure

MENU > Settings > Security > Talk Secure

Indicate a preference for secured voice channels, so that your phone tells you if a voice channel is not secure.

SHORTCUTS

MENU > Shortcuts

Create keypad or voice shortcuts to menu features.

See "Shortcuts" on page 101.

VOICENOTES

MENU > VoiceNotes

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

Recent Calls

You can use the recent calls menu to view or delete received calls or dialed calls, or to retrieve the last number stored in the notepad.

Viewing the Received Calls or Dialed Calls List

Your phone keeps lists of the numbers from calls you recently received and dialed, even if the calls did not connect. The lists are sorted from newest to oldest entries. The oldest entries are deleted as new ones are added. Each entry tells you the person's number (or name, if available) and whether the call connected or not. You can call, store, or delete the numbers on these lists.

Shortcut: Press SND 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 Received Calls or Dialed Calls

Press	To
3	scroll to an entry you want to call, store, or delete **Note:** ⊠ means the call connected
4 SND	call the entry number **Tip:** Press and hold SND for two seconds to send the entry number as DTMF tones.
or	
	view the entry's details if View appears above the key, or store the entry's details in the phonebook if Store appears above the key
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 selected number in the Tel No. field. (This option is not available if STORE appears above the key.)
Delete	Delete the entry. (This option is not available if DELETE appears above the key.)
Delete All	Delete all entries in the current list.
Send Message	Create a new message, with the selected number in the Tel No. field. See "Sending a New Text Message" on page 99.
Add Digits	Add digits to the end of the selected number. See "Additional Dialing Features" on page 42.
Attach Number	Attach digits to the beginning of the selected number. See "Additional Dialing Features" on page 42.
Send Tones	Send DTMF tones (only with a call in progress). See "Additional On-Call Features" on page 46.

Using the Notepad

Your phone uses a notepad to store the most recent string of digits entered—either for a phone number that you called or for a number that you entered but did not call. You can use the digits in the notepad to make a call or create a phonebook entry.

Find the Feature MENU > Recent Calls > Notepad

Press	To
SND	call the number stored in the notepad
or	
MENU	open the dialing menu (to attach a number or insert a special character). See "Additional Dialing Features" on page 42.
or	
STORE (—)	open a new phonebook entry form, with the notepad number copied into the Tel No. field. See "Storing a Phonebook Entry" on page 76.

Call Timers

You can use the recent calls menu to view or reset call timers.

Using Call Timers

Network connection time is the elapsed time, in one-minute intervals, from the moment you connect to your service provider's network to the moment you end the call by pressing END. The time includes busy signals and ringing.

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

You can view the approximate network connection time elapsed during the following calls:

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

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

Viewing and Resetting Call Timers

To view a call timer:

Find the Feature MENU > Recent Calls

Press	To
1	scroll to Call Times
2 SELECT ( )	open the list of timers
3	scroll to the timer you want to see
4 SELECT ( )	select the timer and display the time recorded on it

To reset the call timer:

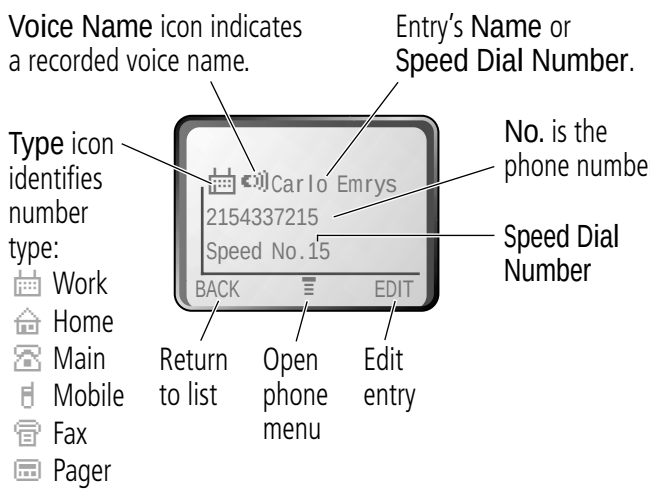
Press	To
1 RESET ( )	reset the time (if available)
2 YES ( )	confirm the reset

Phonebook

You can store a list of names and phone numbers in your phone's electronic phonebook. Your phone can store as many as 1000 entries. You can view these entries and call them directly from your phone.

You can view the list of names stored in your phonebook by pressing MENU > Phonebook from the idle display. Scroll to a name and press VIEW ( ) to view details of the phonebook entry as shown in the following display.

Fields in a Phonebook Entry Form



Storing a Phonebook Entry

Find the Feature MENU > Phonebook
MENU > New

Enter Required Information

A name and number are required for a phonebook entry.

Press	To
1 CHANGE ( )	select Name
2 keypad keys	enter a name for the phonebook entry (See "Entering Text" on page 53.)
3 OK ( )	store the name
4 CHANGE ( )	select No.
5 keypad keys	enter the phone number
6 OK ( )	store the phone number

Enter Optional Information

Continue by entering optional information, if needed.

Press	To
1 CHANGE ( )	select Type:

Press	To
2	scroll to the type of phone number
3 SELECT ( )	select the number type
4 OK ( )	store the number type
5	scroll to Speed No., the number to "speed dial" the entry The next available speed dial number is assigned to new phonebook numbers by default.
6 SELECT ( )	select Speed No. if you want to change it
7 keypad keys	enter a different speed number, if desired
8 OK ( )	save the modified speed number If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.
9 SELECT ( )	select MORE if you want to create another entry with the same Name

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (◄)	store the entry and return to the phonebook list

Recording a Voice Name For a Phonebook Entry

After you store a phonebook entry, you can record a voice name for it. This lets you use voice dial to call the number without dialing (see "Voice Dial" on page 80).

Your phone can store a total of four minutes of voice recordings (including voice notes, voice names, and voice shortcuts). Each voice name uses two seconds of recording time.

Find the Feature MENU > Phonebook

Press	To
1 ▲▼	scroll to the entry that needs a voice name
2 VIEW (►)	display the entry's detailed view

Press	To
3 EDIT (▬)	edit the phonebook entry
4 ▲▼	scroll to Voice Name
5 RECORD (▬)	record a voice name The phone displays Press Voice Key then say name.
6 voice key and say the entry's name in two seconds	record the voice name The phone displays Press Voice Key then REPEAT name.
7 voice key and repeat the name	confirm the voice name The phone displays Trained: Voice Name.

Dialing a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or one-touch dial to call the numbers stored in your phonebook. To use speed dial, see "Dialing With Speed Dial" on page 39. To use one-touch dial, see "Dialing With One-Touch Dial" on page 40.

Phonebook List

To call a number from the phonebook list:

Find the Feature MENU > Phonebook

Press	To
1	scroll to the entry you want to call
2 SND	send the call

Voice Dial

To call a number using voice dial:

Do This	Result
Press the voice key and say the entry's name in two seconds to go to the entry in the phonebook list	Your phone plays back the voice name stored with the phonebook entry, waits two seconds, then automatically dials the call.

Editing a Phonebook Entry

Find the Feature MENU > Phonebook

Press	To
1	scroll to the entry you want to edit
2 VIEW ( )	display the entry's detailed view
3 EDIT ( )	edit the phonebook entry

Edit information in a phonebook entry by following the procedures described in "Storing a Phonebook Entry" on page 76.

Deleting a Phonebook Entry

To delete a phonebook entry:

Find the Feature MENU > Phonebook

Press	To
1	scroll to the entry you want to delete
2 MENU	open the phonebook menu
3	scroll to Delete
4 SELECT ( )	select Delete

Press	To
5 YES ( )	confirm the deletion

Checking Phonebook Capacity

You can check your phonebook's capacity to see how many entries you have used and how many more are available. Your phonebook holds 1000 speed dial numbers.

To check the phonebook capacity for your phone:

Find the Feature MENU > Phonebook

Press	To
1 MENU	open the phonebook menu
2	scroll to PhBook Capacity
3 SELECT ( )	select Phbook Capacity The phone displays the number of entries in use and the number that are empty

Synchronizing with TrueSync Software

You can synchronize phonebook entries between your phone and computer with TrueSync®

software, a Motorola accessory product. See the TrueSync user guide for more information.

Setting Up the Phonebook

You can set up your phone to sort your phonebook list by speed dial number (the standard), name, or voice dial.

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

Find the Feature 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 the entry you want
7 SELECT ( )	select the entry you want

Datebook

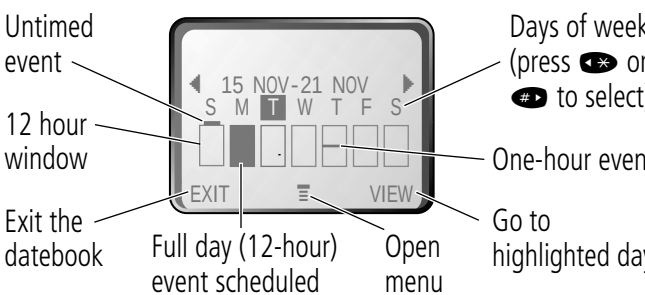
The datebook lets you schedule and organize appointments and keep track of special events. It can display and notify you of events for the week, a day, or details for a specific event. To schedule or see events.

Find the Feature MENU > Datebook

The datebook is organized by *views*—from the week view, to the day view, to a view of a specific event. By pressing VIEW (▬), you can move from one view to another.

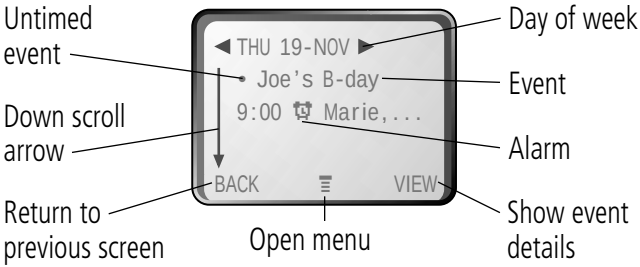
Week View

When you open the datebook, your phone displays a calendar for the week. Lines or filled boxes under each day indicate that events have been scheduled.



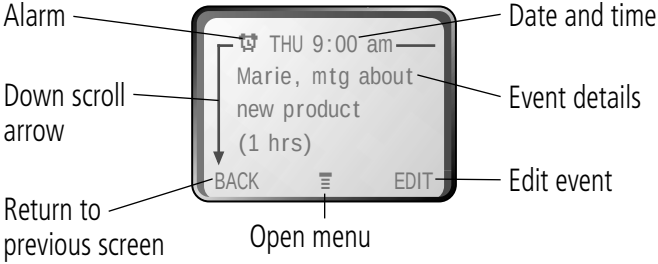
Day View

From the week view, press VIEW (▬) to see the day's events. You can store, edit, view, copy, and delete any event from the day view.



Event View

From the day view, press VIEW (▬) to open the detailed event view. You can edit, copy, and delete events from the event view.



Storing a New Event

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

See "Selecting a Feature Option" on page 49 for instructions on scrolling to and selecting options.

Press	To
1 CHANGE ( )	select Title
2 keypad keys	enter a title for the event (see "Entering Text" on page 53.)
3 OK ( )	store the event title
4	scroll to other fields and enter information as necessary Select an entry detail to enter information. A title is required. Other details includes time, duration, date, repeating events, and alarms.
5 DONE ( )	store the new event and return to the week view

Changing Event Information

To change information about an existing event:

Find the Feature MENU > Datebook

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

Copying an Event

To copy information from a current event to a new event:

Find the Feature MENU > Datebook

Press	To
1 * or #	scroll to the scheduled event day
2 VIEW ( )	display the day view
3	scroll to the event to copy
4 MENU	open the event menu
5	scroll to Copy
6 SELECT ( )	copy the event
7 YES ( )	confirm the copy The 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 BACK ( )	return to the day view

Deleting an Event

Find the Feature MENU > Datebook

Press	To
1 * or #	scroll to the scheduled event day
2 VIEW ( )	display the day view
3	scroll to the event to delete
4 MENU	open the event menu
5	scroll to Delete
6 SELECT ( )	select Delete For non-repeating events, go to step 7. For repeating events, the phone displays a delete event menu:
a	scroll to This Event Only or Repeat Events
b SELECT ( )	select the event(s) to delete
7 YES ( )	confirm the deletion The phone briefly displays a Deleted: message and returns you to the day view.

Radio

Optional Feature

Your phone comes with a radio that lets you tune, store presets, and listen to FM radio stations.

To listen to the radio, you must use the optional Motorola FM stereo headset accessory. The headset plugs into the accessory connector port on your phone. The Radio menu feature is displayed only when the FM stereo headset is plugged into the accessory connector port.

Turning the Radio On and Off

To turn the radio on or off:

Find the Feature MENU > Radio

Tuning a Station

To tune a radio station with the radio on:

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

Storing a Preset

When you tune the station that you want to save:

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

Selecting a Preset

To select a preset radio station:

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

Sending and Receiving Calls with the Radio On

Incoming calls, messages, and other alerts interrupt the radio. Turn the radio off before dialing outgoing calls. You do not have to turn off the radio to dial emergency numbers, or numbers selected from your phonebook or other lists.

Voicemail

Optional Feature

You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone. Contact your service provider for more details.

Storing Your Voicemail Number

Store your voicemail number in your phone to make it faster and easier to use voicemail. Your voicemail number is provided by your service provider.

Find the Feature MENU > Messages
MENU > VoiceMail Setup

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

Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays New VoiceMail . (Some networks only indicate when you have messages, whether they are new

or not.) If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, listen to the message, or turn off your phone.

From the new message notification:

Do This	To
Press CALL ( )	call your voicemail phone number and listen to the message
or	
Press and hold 1	**Tip:** A (voicemail) icon is printed on the 1 key as a function reminder.

Listening to a Voicemail Message

To listen to your voicemail messages at any time:

Find the Feature MENU > Messages > VoiceMail

Your phone calls the voicemail phone number you stored. If you do not have a voicemail number stored, the phone guides you through storing a number.

Shortcut: You can also press and hold 1 to listen to your voicemail message(s). A (voicemail) icon is printed on the 1 key as a function reminder.

Text Messages

Optional Feature

Text messages are brief messages that you can enter, send, and receive (such as "Where are we meeting?"). These messages appear on your phone display or in your message inbox.

You must set up a text message inbox *before* you can send and receive these messages. Your inbox can hold up to 10 text messages. (The total number of messages the inbox can hold depends on the length of the messages, and the number of other messages and drafts stored in your phone.)

Setting Up the Text Message Inbox

Find the Feature MENU > Messages
MENU > Text Msg Setup

Press	To
1	scroll to Service Center No.
2 CHANGE ( )	change the Service Center No. which is provided by your service provider
3 keypad keys	enter the phone number for the service center that handles your outgoing messages

Press	To
4 OK ( )	store your service center number
5 CHANGE ( )	change the Expire After period
6 keypad keys	enter the expiration period—the number of days your network tries to send unreceived messages
7 OK ( )	store the expiration period
8 CHANGE ( )	change the Cleanup setting
9	scroll to the period of time that messages stay in your inbox
10 SELECT ( )	select the cleanup period If you select Custom, continue. Otherwise, the procedure is complete.
11	change the entry for the number or label
12 and	switch between the number and the label
13 DONE ( )	store the custom cleanup period after you finish entering all information

Receiving a New Text Message

Note: You must set up your text message inbox before you can receive text messages.

When you receive a new message, your phone displays New message ✉ and gives an alert. If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, read the message, or turn off your phone. When your inbox is full, any new message replaces the older unlocked message.

From the new message notification:

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

Reading, Locking, or Deleting a Text Message

You can open your text message inbox to read, lock, or delete messages at any time.

The text message inbox holds up to 10 messages, sorted from newest to oldest. The oldest messages are deleted as new ones are added. If you want to save a message, you

should lock it to prevent it from being overwritten as new messages are received.

Find the Feature MENU > Messages > Text Msgs

Press	To
1	scroll to the message you want (! = unread and urgent, ☒ = read, 🔒 = locked)
2 READ ( )	open the message
3 SAVE ( )	close the message without changes
or	
DELETE ( )	delete the message
or	
MENU	open the message menu to perform other procedures as described in the following list

The message menu includes the following options:

Option	Description
Call Back	Call the number in the message header or the message text
Go To	Go to a Web address in the message
Reply	Open a new text message, with the message's Reply To number in the To: field
Lock/Unlock	Lock or unlock the message
Delete or Delete All	Delete the message or all inbox messages Press Yes (⊖) to confirm the deletion.
Store Number	Open a new phonebook entry with the message's embedded number in the No. field
New	Open a new text message form
Setup	Open the inbox setup menu

Sending a New Text Message

To create and send a new text message:

Find the Feature MENU > Messages > Txt Msgs
MENU > New

Press	To
1 CHANGE (▬)	select To:
2 keypad keys	enter the phone number where you want to send the message
3 OK (▬)	store the number
4 CHANGE (▬)	select Msg:
5 keypad keys	enter the text message (see "Entering Text" on page 53.)
6 OK (▬)	store the text message
7 CHANGE (▬)	select Call:
8 keypad keys	enter the number you want your recipient to call back (the message's From: field)
9 OK (▬)	store the number

Press	To
10 DONE (◄)	display the Your phone displays Send Message Now?
11 YES (◄) **or** NO (►)	send the message cancel the message or save it as a draft

Shortcuts

Your phone includes several pre-programmed shortcuts. You can create additional shortcuts, if you like, to mark frequently used menu items.

Pre-Programmed Shortcuts

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

Do This	To
Press MENU, then press and hold MENU again (within two seconds)	zoom in or zoom out your phone's display view (See "Adjust Zoom Setting" on page 30.)
Press MENU #	display your phone number
Press MENU *	lock or unlock your keypad
Press and hold 1	listen to your voicemail messages (See "Voicemail" on page 92.)

User-Settable Shortcuts

You can create shortcuts to the following menu features and applications:

Car Settings	Headset	In-Call Setup
Initial Setup	Messages	Network Settings
Personalize	Phone Status	Quick Dial
Recent Calls	Ring/Vib	Security

Creating a Keypad Shortcut

Find the Feature — MENU > *the item to which you want to assign a shortcut*

Do This	Result
1 Press and hold MENU.	The phone displays: Assign Shortcut for: "*Item*"? where *Item* is the name of the item you selected.
2 Press YES (◄).	The shortcut options appear.
3 Press ▲▼.	Scroll to Key.

Do This	Result
4 Press CHANGE (▬).	The Key entry blank appears (your phone automatically displays the next available key).
5 Press keypad keys (optional).	The phone assigns a new key for the shortcut
6 Press OK (▬).	The phone saves the key shortcut and returns to the shortcut options.
7 Press DONE (◀).	The shortcut options close.

Creating a Voice Shortcut

A voice shortcut lets you go directly to a menu item by saying its shortcut name.

Your phone can store a total of four minutes of voice recordings (including voice notes, voice names, and voice shortcuts). Each voice shortcut uses two seconds of recording time.

Find the Feature	MENU > *the item to which you want to assign a shortcut*

Do This	Result
1 Press and hold MENU.	The phone displays: Assign Shortcut for: "*Item*"? where *Item* is the name of the item you selected.
2 Press YES (◄).	The shortcut options appear.
3 Press ▲▼.	Scroll to Voice.
4 Press RECORD (►).	The phone displays Press Voice key then say voice shortcut.
5 Press the voice key.	The phone displays Say Shortcut Now.
6 Say the shortcut name.	The phone displays Press Voice key then REPEAT voice shortcut.
7 Press the voice key.	The phone displays Repeat Shortcut.
8 Repeat the shortcut name.	The phone displays Trained: Voice Shortcut and returns to the shortcut options.
9 Press DONE (◄).	The shortcut options close.

Using Shortcuts

You can use a shortcut any time, whether you are on a call or scrolling through a menu.

Use a Keypad Shortcut

If you know the shortcut number:

Press	To
1 MENU	open the menu
2 the shortcut's number	go to the menu item

Select a Shortcut From the List

To select a shortcut from the shortcut list:

Find the Feature MENU > Shortcuts > *the shortcut you want to use*

Use a Voice Shortcut

To use a voice shortcut:

Press	To
1 MENU	open the menu

Press	To
2 voice key and speak the shortcut name into the phone	go to the menu item

Voice Notes

The voice notes feature lets you record personal messages or phone calls. You can play back a voice note at any time. There are no pre-recorded voice notes on your phone.

Recording a Voice Note

Your phone can store a total of four minutes of voice recordings (including voice notes, voice names, and voice shortcuts).

Use this procedure to record a voice note when your phone is inactive, or use it during a phone call to record the call:

Do This	Result
1 Press the voice key and hold for one second. **Note:** The voice key is located on the right side of your phone.	A tone sounds in the earpiece and the phone displays the Recording VoiceNote message.
2 Release the voice key and speak your voice message into the phone.	The phone records the message and displays a recording timer.

Do This	Result
3 Press the voice key again to stop recording.	The phone displays the voice notes list number and the total recording time.

Viewing the Voice Notes List

The voice notes list shows all your voice notes along with other important information and features.

Find the Feature MENU > VoiceNotes

New VoiceNote appears at the end of the list or by itself if no voice notes are stored. Select New VoiceNote to view instructions on how to record a new voice note.

Playing a Voice Note

To play a recorded voice note:

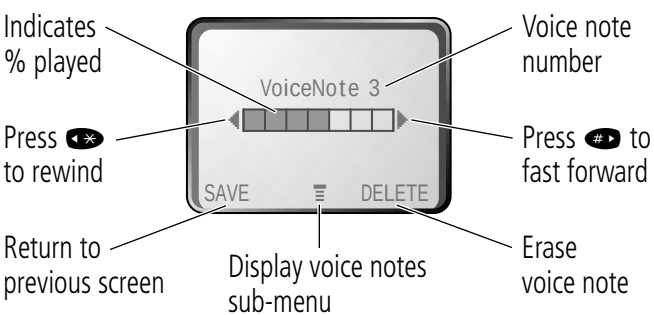
Find the Feature MENU > VoiceNotes

Press	To
1	highlight voice note for playback
2 PLAY ( )	play a voice note

Tip: You can play a voice note while taking a call. It won't be transmitted to the other party.

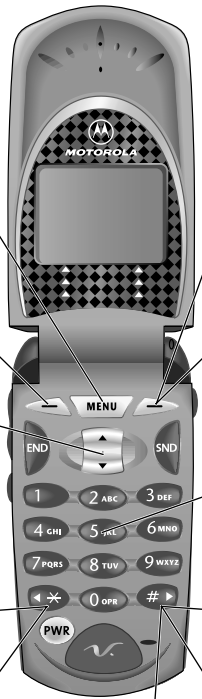
Playback Screen

While the voice note is playing, the playback screen is displayed.



Voice Note Keys

While playing back a voice note, press these keys to do the following:



Stop playback and go to voice notes menu.

Stop playback and return to voice notes list.

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

Rewind three seconds, resume playing.

Press and hold to rewind to the beginning.

When playback is complete, press to restart.

If the voice note is unlocked, stop playback and display Delete VoiceNote?

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

Press number keys to alternately stop and start playback.

Fast forward three seconds, resume playing.

Press and hold to fast forward to end.

Locking and Unlocking a Voice Note

You can prevent a voice note from being accidentally deleted by locking it. To delete a locked voice note, you must first unlock it.

Find the Feature MENU > VoiceNotes

Press	To
1	scroll to the voice note you want to lock or unlock
2 MENU	open the voice notes menu
3	scroll to Lock or Unlock
4 SELECT ( )	lock or unlock the voice note

You can also lock or unlock a voice note while playing it back. When the playback screen is displayed:

Press	To
1 MENU	open the voice notes menu
2	scroll to Lock or Unlock
3 SELECT ( )	lock or unlock the voice note

Deleting a Voice Note

You can delete a single unlocked voice note or all unlocked voice notes. To delete a locked voice note, you must first unlock it. See "Locking and Unlocking a Voice Note" on page 111.

Find the Feature MENU > VoiceNotes

Press	To
1	scroll to the voice note you want to delete
2 MENU	go to the voice notes menu
3	scroll to Delete or Delete All
4 SELECT ( )	select the highlighted option The phone displays Delete VoiceNote X?, or Delete All VoiceNotes?
5 YES ( )	delete the selected voice note, or delete all unlocked voice notes

Note: You can always press NO ( ) to cancel a deletion.

Browser

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

Starting a Browser Session

To open the browser:

Find the Feature MENU > Browser

The browser displays your home page.

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

You can perform the following operations during a browser session:

Do This	To
Press to scroll to a phone number on a Web page, then press SND	call the number from the browser

Do This	To
Press ◀ * and # ▶	go back and forward between Web pages

You may not be able to connect to a specific browser service. Following are some common error messages:

Message	Meaning
Browser not available	Your phone is unable to make a network connection.
Home Page not available	The browser server is busy, or the home page Web address stored in your phone is incorrect.
Home Page not setup	A home page Web address is not stored in your phone.

Contact your service provider if you are unable to establish a network connection with the browser.

Home Page Setup

Your default home page is either mymotorola.com or a customized home page from your service provider. If mymotorola.com is not your default home page, it is stored in your phone as an additional Web address.

Adjusting Your Settings

You can adjust a wide variety of phone settings to suit your needs.

Ring/Vibrate

Your phone alerts you by ringing or vibrating when you have incoming calls or other events. See "Display" on page 27 for a list of the alert icons that can appear on the display.

Select a Ring/Vibration for All Events

Find the Feature MENU > Settings > Ring/Vibrate > Alert

Press	To
1 ↕	scroll to an alert type
2 SELECT (▬)	select the alert type The phone displays the Changed: Alert message.

Select a Ring/Vibration for a Specific Event

When you select a ring/vibration alert for a *specific* event, it overrides the alert type set for *all* events.

Tip: This feature also lets you set the ringer volume and keypad volume.

Find the Feature MENU > Settings > Ring/Vibrate > *Alert* Detail

Press	To
1	scroll to the type of event that should have a special alert
2 CHANGE ( )	select the event The phone displays the list of alert types.
3	scroll to the alert you want for the event
4 SELECT ( )	select the alert The phone displays the Changed: *Event Alert* message.

Reordering Menu Items

You can customize the order of the items in your phone's main menu, depending upon your usage.

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

Press	To
1	scroll to the menu item you want to move
2 GRAB ( )	grab the menu item you want to move
3	move the item up or down the menu
4 INSERT ( )	insert the item in the new location

Customizing a Soft Key Function

When your phone is idle, you can relabel the soft keys (and) and smart key to access different items in the main menu.

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

Press	To
1	scroll to Left, Right, or Smart
2 CHANGE ( )	open the key editor
3	scroll to the new key function
4 CHANGE ( )	confirm the new function The key will have the new function whenever the phone is idle.

Hands-Free Use

Optional Feature

The hands-free car kit is a Motorola accessory that you can optionally purchase and install in your car. The headset is another optional Motorola accessory that provides an alternative way for you to use your phone without using your hands.

Automatic Answer

If you activate automatic answer and connect your phone to a car kit or headset, your phone can automatically answer calls after two rings.

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

Press	To
1	scroll to On or Off
2 SELECT ( )	confirm the setting

Automatic Hands-Free

You can set up your phone to automatically transfers calls when it detects that it is connected to a car kit or headset.

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 or headset, you can set it to stay on for a specified time period after you switch off the ignition. This keeps your phone from draining your car battery by staying on indefinitely, but leaves your phone on long enough that you do not have to re-enter your unlock code when you make short stops.

Find the Feature MENU > Settings
> Other Settings
> Car Settings
> Power-Off Delay

Press	To
1	scroll to the time delay option you want
2 SELECT ( )	confirm your selection

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

Data and Fax Calls

You can use a Motorola Original data kit to transfer data from your phone to a compatible computer. By transferring data, you can:

- synchronize data between your phone and computer or TrueSync® software. Contact Motorola customer service for information on obtaining accessory products.
- use your phone as a modem to connect to the Internet
- use your phone to send fax calls from your computer

More information about Motorola Original data kits is available at `http://www.motorola.com/dataaccessories`

Connecting Your Phone to an External Device

Connect your phone to an external device using a serial cable or USB cable, or a cable and a PCMCIA card.Attach a Motorola approved USB or serial cable to the computer and the phone as follows.

Set Up a Cable Connection

Note: To conserve power, some laptops deactivate unused serial ports. If this happens, open an application that uses the serial port, like fax or dial-up networking, and your computer will automatically activate the port.

USB Cable

To attach the USB cable:

Do This	
1 Plug the end with the Motorola logo into the base of your phone, with both the face of the phone and the logo facing you.	**Illustration to come**
2 Plug the other end, the USB connection, into the appropriate USB slot on your PC.	**Illustration to come**

Serial Cable

You can use the interchangeable head on the Multi-Connect Serial Cable to connect PC, Palm III, or Palm V devices to your phone.

Do This	
1 Plug the serial cable into the detachable head, as shown.	**Illustration to come**
2 Insert the end of the cable with the AMP logo into the bottom connector of the cable head (with the logos on both the cable and the head facing you)	
3 With both logos and the front of the phone facing you, insert the cable head into the base of the phone.	**Illustration to come**

Do This	
4 Plug the other end into the appropriate serial interface connection on the back of your computer and tighten the screws by hand.	**Illustration to come**

Installing the Software

Install the software from the CD-ROM that came with your data cable. Refer to the software's user guide for more detailed information.

Sending a Data or Fax Call

Important: You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer.

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)

Do This	To
3 End the transfer on your computer	close the call and connection when the transfer is complete

Receiving a Data or Fax Call

Before you receive a data or fax call, you must configure your phone for the incoming call type.

Find the Feature MENU > Settings > Connection > Incoming Call

Press	To
1	scroll to Fax In Only, Data In Only, or Normal
2 SELECT ( )	specify the format for the next incoming call

Connect to the device that will receive the data or fax. Your phone notifies you when the data or fax call arrives.

Press	To
SND	answer the call (the phone transfers the call to the fax machine or computer) When transfer is complete, end the call from the connected machine.

Assigning a New Code or Password

The four-digit unlock code is originally set to 1234, and the six-digit security code is originally set to 000000. We suggest you change these numbers and make a note of them. The unlock code must contain four digits, and the security code must contain six digits.

Note: If the only password you can change is the unlock code, the New Passwords menu is unavailable and the Unlock Code option appears on the Phone Lock menu. In this case, open the unlock code editor by selecting: MENU > Settings > Security > Phone Lock > Unlock Code.

Find the Feature MENU > Settings > Security > New Passwords*

Press	To
1	scroll to the code or password you want to change
2 CHANGE ( )	select the code or password
3 keypad keys	enter your old code If you do not know your code, see "If You Forget a Code or Password" on page 128.

Press	To
4 OK (▬)	submit your old code
5 keypad keys	enter the new code
6 OK (▬)	assign the new code
7 keypad keys	re-enter the new code
8 OK (▬)	confirm the new code

If You Forget a Code or Password

If you forget your security code (originally set to 000000), contact your service provider.

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

Press	To
1 MENU	go to the security code option
2 keypad keys	enter your security code
3 OK (▬)	submit your security code

Locking and Unlocking Your Phone

You can lock your phone manually or set your phone to lock automatically whenever you turn it off.

When you try to use a locked phone, it asks you to enter the unlock code. A locked phone still rings or vibrates for incoming calls or messages, but you must unlock it to answer.

Lock Your Phone Manually

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

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

Set Your Phone to Lock Automatically

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

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

Press	To
1 keypad keys	enter your four-digit unlock code
2 OK ( )	set the phone to lock automatically

Unlock Your Phone

At the Enter Unlock Code prompt:

Press	To
1 keypad keys	enter your four-digit unlock code The unlock code is originally set to 1234. If necessary, see "If You Forget a Code or Password" on page 128.
2 OK ( )	unlock the phone

Locking and Unlocking Your Keypad

Press	To
MENU *	lock or unlock your keypad

Note: Incoming calls and messages unlock the keypad.

Restricting Calls

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

Notes:

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

Find the Feature MENU > Settings > Security > Restrict Calls

Press	To
1 keypad keys	enter your unlock code (four digits maximum)
2 OK (▬)	open the restricting calls menu
3 ▲▼	scroll to Outgoing Calls or Incoming Calls
4 CHANGE (▬)	select Outgoing Calls or Incoming Calls
5 ▲▼	scroll to Allow
6 CHANGE (▬)	change Allow

Press	To
7	scroll to the calls you want to allow
8 SELECT ( )	select the calls you want to allow

Troubleshooting

Check these questions first if you have problems with your phone:

Question	Answer
Is your phone set up correctly?	Press MENU #. If you do not see your phone number, contact your service provider.
Is your battery charged? Do you see ▭ in the display?	The battery level indicator should have at least one segment showing (▭). If it does not, recharge your battery. (See "Charging the Battery" on page 23 and "Battery Use" on page 34.)
Does the handset have a signal? Do you see in the display?	Make sure that your antenna is fully extended. The signal strength indicator should have at least one segment showing ( ). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the upper volume key on the side of your phone.

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

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password. What should I do?	See "If You Forget a Code or Password" on page 128.

Problem	Solution
I pressed the power key, but nothing happened.	Be sure to press and hold PWR until the display appears and you hear an audible alert (this could take a couple of seconds). If nothing happens, check that a charged battery is installed. (See "Installing the Battery" on page 21.)
The display says: Enter Unlock Code. **How do I unlock my phone?**	Enter the factory-preset unlock code (1234), or the last four digits of your phone number. (See "Locking and Unlocking Your Phone" on page 129.) If this fails, call your service provider (the company that sends you your monthly wireless service bill).
Why does my phone ask for an unlock code when I try to open a feature?	The application you want is locked. If you own the phone but do not know the unlock code, see "If You Forget a Code or Password" on page 128.
My phone does not ring.	If you see , , or in the display, then the ringer is turned off. See "Ring/Vibrate" on page 115.

Problem	Solution
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display says Ready before making a call.
I cannot send/ receive calls.	Make sure that your antenna is fully extended and that you have a phone signal (see the information about your signal strength indicator on page 28). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have restrict calls turned on. If you know the unlock code, you can change this setting in the Security menu (MENU > Settings > Security).

Problem	Solution
My phone has poor reception and drops calls.	Make sure that your antenna is fully extended and is not bent or damaged. Also, make sure you have a phone signal. (See the information about your signal strength indicator on page 28.) Stay clear of any obstructions such as bridges, parking garages, or tall buildings.
I cannot hear others on my phone.	While on a call, press the upper volume key on the left side of your phone. Your phone display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
Others cannot hear me when I talk on my phone.	If Mute appears in your display during a call, press UNMUTE ( ). Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.

Problem	Solution
I cannot open my inbox.	Before you can use text or information services messages, you must set up the appropriate inbox. See "Setting Up the Text Message Inbox" on page 94.
How do I see the calls I sent or received?	To see the last 10 calls you dialed or received, open the "Recent Calls" lists: MENU > Recent Calls > Dialed Calls or > Received Calls
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be On or Off. If you have trouble sending numbers, try changing your DTMF setting. **1** From the idle display, press: MENU > Settings > Other Settings > Initial Setup > DTMF **2** Press to scroll to On. **3** Press SELECT ( ) to select it.

Problem	Solution
My phone's display is too dark.	You can use the Contrast Setting feature (see page 61) to change the level of contrast in your phone display. You can also use the Backlight Display feature (see page 61) to change the length of time that your phone's backlight display stays on.
My battery didn't last as long as I expected. What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, and other factors. For tips on extending your battery life, see "Charging the Battery" on page 23.

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. Finally, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a fax or dial-up application, and your computer will automatically activate the port.

Problem	Solution
My phone beeped when I attached the data cable, but my fax and data applications don't work.	You must be in an area with digital coverage. Check your phone's display for the digital signal indicator (D). Some wireless networks may not support data or fax transmission. If you see the digital indicator, but you are roaming on an unfamiliar network, this may be the case. Also, remember that data and fax transmission usually requires a subscription. Call your service provider for more information.
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps.

Problem	Solution
I can't end my data call by closing the application on my computer. What can I do?	Try pressing SND 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 Browser but the display says: Service Not Available.	You may be in an area without service. If you have wireless service, look in the display for the digital signal indicator (D). If you do not see the indicator, you may be in an area that has only analog service or no service at all. If you see the digital signal indicator, you may be connected to a digital network that does not support Internet access.
I launched the Browser but the display says: Data Server Unavailable.	Try again in a few minutes. The servers may be temporarily busy.

Specific Absorption Rate Data

This model phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. 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 and 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 is 1.6W/kg.* Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the

power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is _____ and when worn on the body, as described in this user guide, is _____. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of
`http://www.fcc.gov/oet/fccid`
after searching on FCC ID XXXX.

* 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.

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

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

Why the concern?

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

does not allow us to conclude that mobile phones are absolutely safe, or that they are unsafe. However, the available scientific evidence does not demonstrate any adverse health effects associated with the use of mobile phones.

What kinds of phones are in question?

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

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

Briefly, there is not enough evidence to know for sure, either way; however, research efforts are on-going. The existing scientific evidence is conflicting and many of the

studies that have been done to date have suffered from flaws in their research methods. Animal experiments investigating the effects of RF exposures characteristic of mobile phones have yielded conflicting results. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. In one study, mice genetically altered to be predisposed to developing one type of cancer developed more than twice as many such cancers when they were exposed to RF energy compared to controls. There is much uncertainty among scientists about whether results obtained from animal studies apply to the use of mobile phones. First, it is uncertain how to apply the results obtained in rats and mice to humans. Second, many of the studies that showed increased tumor development used animals that had already been treated with cancer-causing chemicals, and other studies exposed the animals to the RF virtually continuously—up to 22 hours per day.

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

1 In a hospital-based, case-control study, researchers looked for an association between mobile phone use and either glioma (a type of brain cancer) or acoustic neuroma (a benign tumor of the nerve sheath). No

statistically significant association was found between mobile phone use and acoustic neuroma. There was also no association between mobile phone use and gliomas when all types of types of gliomas were considered together. It should be noted that the average length of mobile phone exposure in this study was less than three years.

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

FDA020400

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.

Patent Information

Manufactured under one or more of the following U.S. patents:

4291475	4593155	4741018	4860336	4916262	4996529
4302845	4594657	4742562	4860341	4918431	5008925
4312074	4602218	4761621	4868576	4918732	5010309
4365221	4605987	4764737	4870686	4922178	5010570
4369516	4616314	4775998	4872196	4941203	5014294
4369520	4617520	4791527	4873683	4942570	5014346
4369522	4628529	4794489	4876552	4945570	5017856
4374370	4629829	4797929	4876656	4956854	5018188
4378603	4633141	4797947	4876740	4959851	5020076
4390963	4636593	4798975	4879533	4963812	5020091
4398265	4636741	4802236	4885553	4964121	5020092
4400584	4648125	4803726	4887050	4970475	5020093
4400585	4649543	4809356	4890199	4972355	5023580
4434461	4654655	4811377	4896124	4972432	5023866
4455534	4680787	4811404	4896361	4972455	5023911
4486624	4704588	4817157	4897873	4975808	5025387
4491972	4711361	4827507	4903326	4977589	5027388
4523155	4715063	4829543	4903327	4977616	5028083
4546329	4717884	4831647	4904549	4979207	5028859
4574243	4730195	4843621	4904992	4984219	5029233
4581602	4731813	4845772	4905288	4984290	5036532
4581749	4736277	4851966	4905301	4989230	5038253
4585957	4737976	4852090	4912602	4992753	5040127

5042071	5117449	5153590	5203012	5241688	5287013
5045824	5117450	5157693	5203013	5242767	5287553
5053924	5121047	5160898	5203021	5243355	5287555
5055800	5121288	5162144	5204977	5247544	5287556
5055802	5121412	5163159	5205751	5247565	5289505
5055803	5122480	5164652	5210793	5249302	5297142
5057762	5122722	5166596	5211581	5251331	5299232
5058136	5124889	5166642	5212815	5255292	5301365
5059885	5127040	5168522	5212826	5257414	5308716
5060264	5127042	5170173	5214675	5259005	5321705
5063340	5127100	5170485	5214774	5260170	5321737
5065408	5128834	5170492	5216389	5260988	5321847
5067139	5133010	5175729	5220290	5261119	5323421
5070310	5134717	5175759	5220936	5262710	5325405
5077757	5140286	5175874	5222078	5263052	5325429
5077790	5140635	5182749	5222104	5263055	5327578
5081674	5142551	5185566	5222251	5265271	5327642
5083304	5142696	5185790	5230007	5267230	5331123
5087004	5144533	5187640	5230093	5276588	5333153
5093632	5146620	5187809	5233506	5276707	5336984
5095503	5148471	5192924	5233633	5276913	5338909
5107487	5148473	5193223	5235492	5276915	5343213
5109400	5150075	5195106	5237257	5278832	5349588
5111162	5150359	5195108	5237570	5278994	5351245
5113400	5150384	5198887	5239127	5280630	5359696
5113436	5151643	5200655	5241545	5280637	5361400
5117073	5152006	5201069	5241548	5280644	5363071
5117441	5152007	5203009	5241592	5285443	5365549

5366826	5428820	5469177	5510693	5554996	5600341
5367538	5428836	5471671	5511235	5555550	5604050
5367558	5430416	5475752	5513078	5557743	5604468
5371791	5432017	5477192	5513996	5559471	5604787
5373101	5434947	5485506	5519303	5559522	5606332
5375143	5436802	5485513	5519346	5559806	5606560
5375258	5438684	5486843	5519506	5561436	5606730
5379324	5442680	5487184	5519777	5561437	5613229
5381114	5444764	5488649	5524276	5561852	5613863
5384825	5446763	5490177	5526398	5565881	5615233
5392000	5446766	5491739	5528666	5566224	5615259
5392023	5448763	5493198	5530399	5568548	5615260
5392331	5448770	5493700	5530922	5570453	5621763
5396654	5448771	5493714	5533119	5572223	5621766
5401927	5453997	5495206	5535258	5572224	5625316
5402447	5457744	5495208	5535434	5574976	5625683
5402448	5459640	5497126	5539360	5577267	5628001
5404580	5459774	5497382	5542016	5577268	5628057
5404582	5461643	5497383	5542103	5583520	5628089
5406146	5463351	5499273	5542106	5584054	5629979
5406562	5463406	5499394	5542116	5586146	5630159
5408693	5463628	5499397	5544250	5588041	5630210
5410275	5463646	5502437	5546275	5589796	5630213
5410741	5463674	5504494	5546380	5590177	5630215
5414711	5463688	5504812	5551078	5594778	5631538
5420759	5463694	5506490	5551627	5594951	5633484
5424689	5465409	5508709	5553137	5598129	5633786
5428362	5465412	5509048	5553376	5598431	5634202

5640690	5692101	5738954	5784419	5815507	5856763
5642368	5696497	5739792	5784585	5815570	5856766
5646576	5696821	5740525	5787128	5815804	5857148
5649306	5699070	5742894	5787577	5815805	5857192
5649309	5699389	5745116	5793315	5815807	5859522
5656914	5699408	5745566	5793866	5815820	5859567
5656917	5701130	5745848	5796822	5821820	5859890
5657418	5701244	5747970	5797101	5822726	5861853
5659601	5701589	5748727	5798716	5826224	5862460
5660945	5703470	5754141	5799011	5831826	5862493
5661433	5703539	5754455	5799256	5832080	5864799
5664973	5703909	5754583	5801513	5832388	5865487
5666429	5706019	5754645	5801567	5835006	5867063
5668871	5706313	5754956	5802111	5835535	5867127
5670912	5708445	5758271	5805992	5835785	5867140
5673001	5710862	5760714	5807012	5838202	5867510
5673003	5710987	5761300	5808585	5841851	5870670
5673287	5711001	5761610	5808586	5842122	5872744
5674326	5715520	5764100	5809020	5844943	5877633
5675591	5715524	5764111	5809419	5846094	5878075
5675702	5717307	5764730	5809421	5848072	5878209
5678201	5722052	5764743	5809430	5848152	5878336
5678221	5724004	5766794	5809433	5848356	5878353
5678227	5726983	5771182	5809544	5848718	5880637
5680063	5729221	5771471	5812093	5850440	5880646
5684384	5732350	5777521	5812542	5854549	5881377
5691947	5737327	5777856	5812590	5854785	5889737
5692046	5737685	5784368	5814798	5854972	5889768

5889859	5930288	5977916	6016312	D302015	D325028
5892410	5930299	5980268	6016422	D303656	D325029
5893036	5933330	5982881	6018584	D304189	D325032
5894597	5936516	5983082	6018651	D305427	D325583
5896054	5936972	5987012	6018671	D305717	D325915
5896261	5939939	5988577	6021332	D306015	D327061
5898933	5940452	5995050	D284759	D306163	D327062
5900829	5940746	5996178	D285439	D306293	D328302
5901347	5943027	5999115	D288432	D306299	D332261
5901357	5945852	5999821	D288683	D306441	D332785
5903825	5945964	5999832	D289156	D306583	D334746
5903852	5946395	6002922	D292578	D306594	D337332
5905956	5949020	6002937	D292920	D307271	D338012
5907418	5950131	6005498	D295627	D309301	D338887
5907615	5950139	6006104	D295973	D309451	D339127
5909102	5953413	6008636	D295975	D314173	D339335
5910944	5954817	6009168	D296187	D315330	D339336
5912648	5955700	6009309	D297734	D315346	D339337
5920549	5955999	6009325	D297735	D315543	D339564
5920550	5956626	6009336	D297736	D315559	D339578
5923007	5963848	6009552	D299136	D315565	D339581
5924044	5963876	6011699	D299137	D315907	D339582
5925835	5964858	6011784	D299232	D316417	D340709
5925942	5966101	6011959	D300742	D316859	D340710
5926119	5966667	6011961	D300827	D320780	D340711
5926503	5966671	6012634	D301473	D322783	D340906
5926751	5969545	6014376	D301476	D324024	D341589
5930268	5974042	6014552	D301883	D324388	D342248

D342663	D348880	D358148	D373585	D382872	D388082
D342729	D349273	D359052	D373764	D383115	D388424
D342730	D349701	D359734	D374013	D383748	D388429
D342741	D350113	D359735	D374014	D383749	D388430
D343173	D350348	D359959	D374227	D383759	D388775
D343615	D350349	D360398	D374424	D384080	D388783
D343616	D350350	D360632	D374872	D384662	D388793
D343834	D351375	D361070	D375732	D384951	D389157
D343835	D351840	D361763	D375733	D384952	D389476
D343836	D352497	D362840	D375734	D385271	D389478
D344087	D352503	D362852	D375932	D385283	D389488
D344271	D352946	D365094	D375935	D385555	D389641
D344444	D353131	D365817	D375952	D385873	D390221
D344511	D353361	D366872	D376127	D385874	D390222
D344512	D353587	D367640	D377792	D385875	D390509
D344945	D353588	D368479	D377934	D385877	D391567
D345977	D353591	D368696	D378366	D385888	D391955
D346785	D354055	D369162	D378911	D386175	D391966
D346786	D354062	D369359	D379558	D386494	D393470
D346798	D355181	D369797	D379624	D386757	D394256
D348071	D355895	D370016	D379981	D387054	D394423
D348250	D356084	D370463	D379982	D387055	D394425
D348427	D356309	D370672	D380468	D387199	D394433
D348470	D357224	D372237	D380751	D387346	D394438
D348665	D357249	D372481	D381021	D388078	D394439
D348666	D357457	D372703	D381664	D388079	D395301
D348668	D357680	D372896	D382537	D388080	D395302
D348674	D357681	D372919	D382538	D388081	D395431

D395642	D400496	D406098	D408783	D411535	D416226
D395875	D400526	D406191	D408815	D411843	D417224
D396472	D400527	D406586	D409186	D411844	D417449
D397337	D400874	D406695	D410459	D412000	D419155
D397689	D401554	D406812	D410460	D412487	D419290
D397694	D401929	D407063	D410929	D412709	D419565
D398926	D403265	D407685	D411165	D413893	PAT022500
D400161	D404397	D407708	D411196	D413898	
D400165	D405080	D408401	D411202	D414159	
D400204	D405782	D408402	D411204	D415122	
D400209	D405801	D408418	D411507	D415499	

Other patents pending.

Index

A

accessories 20
Add Digits 42
alert
  canceling 39
  event alert 115–116
  setting 115
  setting in external display 33
alert setting indicator
  defined 29
  illustration 28
animation 60
antenna 25
Attach Digits 42
auto PIN dial 61
automatic redial 36–37
  activating 61

B

backlight 61
banner feature 62
battery
  charging 23
  conserving power 60, 62
  installing 21–22
battery (continued)
  level indicator 28, 29
  maximizing life 34–35, 139
  meter 63
belt clip 20
block cursor, defined 52
browser
  call a number from 113
  defined 57, 113
  error messages 114
  go back to a previous page 114
  home page 114
  starting a browser session 113

C

call
  adding digits after phone number 42
  alert, canceling 39
  alert, setting 115
  alert, setting in external display 33
  answer options 58

call (continued)
answering 25–26
attaching digits before phone number 42
calling card 43
dialed calls list 44, 65
emergency number 38
ending 25
event alert, setting 115–116
format, setting 57
in-call timer 59
international access code, dialing 42
muting 46
placing 24–25
received calls list 44, 66
receiving 25–26
restricting 67
sending 24–25
speakerphone, activating 47
three-way call 46
unanswered call 33–34, 37–38
voice dial 44
call timers
described 73–74
resetting 74
viewing 65, 74
call waiting
activating/deactivating 58
using 45
caller ID 37
calling card call, making 43
calling line identification. *See* caller ID
car settings 60
codes. *See* passwords
computer, connecting to 57, 121
contrast 61
cursor 51–52
customer service, calling 64
customizing
menu 117
soft keys 118

D

data call
connecting phone to computer 121–124
phone connection 57, 121
receiving 125–126
sending 124–??
date, setting 62
datebook
adding an event 86
calendar 84
changing event information 87
copying an event 87–88
day view 85
deleting an event 88–89
event view 85
week view 84
default passwords 127
deleting
text messages 96
voice notes 112
dialed calls list 44, 65, 69–71
dialed calls. *See* recent calls
digital/analog signal indicator
defined 29
illustration 28
display
animation 60
backlight 61
banner text 62
contrast 61
described 27–29
greeting 62
idle display 27
language 61
zoom, setting 62
DTMF tones 47, 61, 70, 71, 138

E

earpiece, adjusting volume 32
emergency number 38
end key
functions 25
menu functions 48
ending a call 25
Enter Unlock Code message 128, 130

external display 33–34

F

fax call
  connecting phone to fax machine 121–124
  phone connection 57, 121
  receiving 125–126
  sending 124–??
fax machine, connecting to 57, 121
flashing cursor, defined 51
flip
  opening 24
FM stereo headset iii, 65, 90

G

greeting feature 62

H

hands-free mode
  and external display 34
  automatic answer 119
  automatic call routing 119
hands-free mode (cont.)
  defined 118
  power-off delay 120
  speakerphone, activating 47
headset 34, 60, 65
  FM stereo iii, 90

I

idle display, defined 27
in use indicator 28
inbox, text message 94
in-call timer 59
Incoming Call message 37
indicators 28, 29
international access code 42
iTAP™ predictive text entry 55–56

K

key
  end 25, 48
  left soft key 48, 118
  lock 130
  menu 26, 48
  power 24

key (continued)
right soft key 48, 118
scroll 48
send 25, 26, 69
smart 32
voice 79, 107–108
keypad volume 116

L

language 61
left soft key
customizing 118
functions 48
lock
keypad 130
phone 129–130
text messages 96
voice notes 111
lock application feature 67

M

making a call 24–25
master clear 61
master reset 61
menu
customizing 117
entering text 53–56
menu (continued)
features 57–68
language, setting 61
last calls 71
locking applications 67
message menu 97–98
navigating iv, 48–49
optional features v
rearranging features 117
scroll feature 62
shortcuts 101–106
using features iv, 49–52
menu key 26, 48
message
deleting 96–97
dialing number from 41–42
inbox setup 94–95
locking 96–98
reading 96–97
reminders 93, 96
text 41–42, 59, 94–100
voicemail 59, 92–93
message menu
opening 97
options 98

message waiting indicator
defined 29
illustration 28
Missed Calls message 33, 37
muting a call 46
my telephone number 47, 63
mymotorola.com 59, 114

N

network settings 62
notepad
defined 38–39, 66
entering digits 38–39
retrieving digits 72

O

one-touch dialing
activating 61
deactivating 61
using 40–41
Other Information feature 63

P

passwords
changing 67, 127
default 127
if you forget a password 128
patents 158–164
phone
accessories 20
active phone line, changing 64
alert, canceling 39
answer options 58
connecting to an external device 57, 121
connecting to external device 121–124
date, setting 62
feature specifications 63
flip, opening 24
keypad, locking and unlocking 130
language, setting 61
locking 129–130
muting a call 46
network settings 62
one-touch dialing 40–41

phone (continued)
passwords 67, 127, 128
security code 128
speed dial, using 39–40
time, setting 62
turning on/off 24
unlock code 128
unlocking 24, 129–130
voice dial 44
phone number
adding digits after 42
attaching digits before 42
international access code, dialing 42
redialing 36
viewing your own 26, 47
voice dial 44
phonebook
checking capacity 82
deleting an entry 81–82
dialing an entry number 79
editing an entry 81
fields 75
number type icon 75
one-touch dialing 40–41
phonebook (continued)
sorting entries 83
speed dial number 39, 75, 77
speed dial, using 39–40
storing an entry 76–79
synchronizing with PIM 82
voice name entry 78–79
voice name icon 75
PIM 82
PIN code, dialing automatically 61
power key 24
predictive text entry 55–56

Q

quick dial
setting number 63
using 64

R

radio 65, 90–91
rapid travel charger
charging phone battery 23
illustration 21

received calls list 44, 66, 69–71
receiving a call 25–26
recent calls 69–71
redial
  automatic redial 36–37
  busy number 36
restrict calls 67
restricting calls 131–132
right soft key
  customizing 118
  functions 48
ring/vibrate alert
  canceling 39
  event alert 115–116
  setting 115
  setting in external display 33
ringer
  setting 115
  setting in external display 33
  volume, adjusting 32, 116
roam indicator
  defined 28
  illustration 28

S

scroll feature 62
scroll key 48
security code 128
send key 25, 26, 69
sending
  text messages 99
sending a call 24–25
short message service. *See* text message
shortcuts
  creating 101–104
  using 105–106
signal strength indicator
  defined 28
  illustration 28
smart key 32
SMS. *See* text message
soft keys 48, 63, 118
speakerphone 47
speed dial
  changing number 77
  number, defined 39, 75
  sorting phonebook entries by 83
  using 39–40
status light 30–31, 62

T

talk secure feature 68
text
  block cursor 52
  character chart 54
  entering from keypad 53–56
  flashing cursor 51
  iTAP™ predictive text entry 55–56
text message 41–42, 59, 94–100
three-way call 46
three-way calls ??–46
time, setting 62
timers
  described 73–74
  resetting 74
  viewing 65, 74

U

unlock
  keypad 130
  phone 129–130
unlock code 128

V

vibrate alert
  canceling 39
  setting 115
  setting in external display 33
viewing
  text messages 96
  voice note list 108
  Web pages 113
voice dial 44
  dialing a number 80
  recording voice name 78–79
voice key
  recording a voice name 79
  recording a voice note 107–108
  voice dial 44
voice message waiting indicator 28, 29
voice name
  phonebook icon 75
  recording 78–79

voice note
deleting 112
locking and unlocking 111
playback control keys 110
playback screen 109
playing 109–110
recording 107–108
viewing voice notes list 108
voice shortcut
creating 103–104
defined 103
using 105
voicemail 59, 92–93
volume
earpiece 32
keypad 116
ringer 32, 116
volume keys 31

Z

zoom feature 62

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™