INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

Note:
This updated manual includes responses to FCC Correspondence Reference Number: 18898.

Phoenix TDMA (R1.1) Wireless Telephone User's Guide

Draft

April 11, 2001

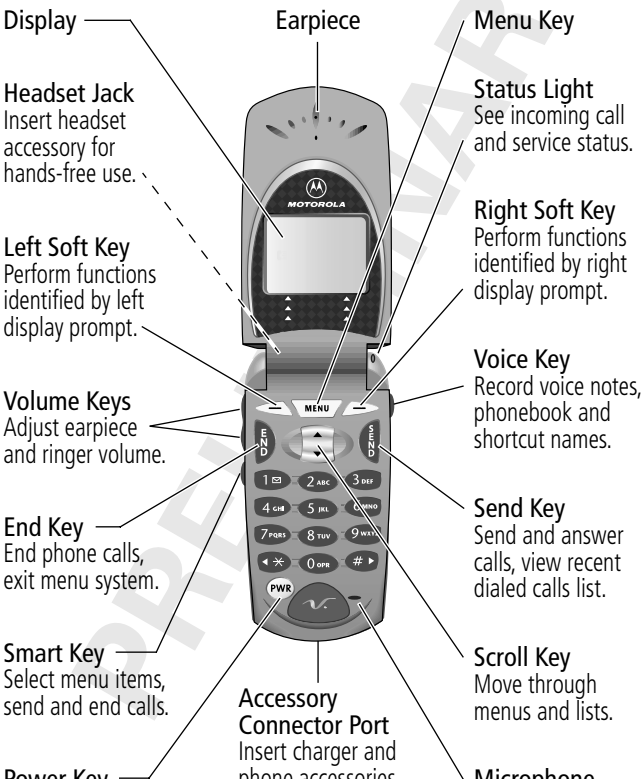
PRELIMINARY

This is a preliminary version of the Phoenix TDMA user guide. In particular, color-coded text describes new R1.1 features that have not been reviewed with the software. Please use this draft as reference only. It is not yet ready for review. If you want to provide feedback, contact John Weidner.

PRELIMINARY

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola V. Series 60t wireless phone.



PRELIMINARY

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Libertyville, Illinois 60048

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

www.motorola.com

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Manual number: 6809435A45-O
Cover number: 8988485L07-O

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Menu Map

Main Menu

- **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
- **Phonebook**
- **Datebook**
- **Quick Dial**
- **Radio**
- **Messages**
  - Voicemail
  - Text Msgs
  - Browser Alerts
  - Quick Notes
  - Outbox
  - Drafts
- **Shortcuts**
- **Voice Notes**
- **Browser**
- **Settings**
  (see next page)

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

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

Shortcuts
Change display zoom: Press MENU, then press and hold MENU
Lock/unlock keypad: Press MENU *
Display my phone number: Press MENU #
Go to dialed calls list: Press 2

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Settings Menu

- **Ring/Vibrate**
  - Alert
  - *Alert* Detail
- **Phone Status**
  - My Tel. Number
  - Battery Meter
  - Other Information
- **Connection**
  - Incoming Call
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Talk Secure
  - Restrict Calls
  - New Passwords
- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Greeting
    - Banner
    - Quick Dial
  - Initial Setup
    - Time and Date
    - Auto PIN Dial
    - Auto Redial
    - Backlight
    - Status Light
    - Zoom
    - Scroll
    - Animation
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About This Guide

Using Your Phone's Features

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

`http://motorola.com/consumer/manuals`

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

Navigating To a Menu Feature

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

Find the Feature 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.

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Optional Features

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

Optional Accessories

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

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Safety and General Information

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

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 .

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

Exposure To Radio Frequency Energy

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

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- 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.

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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 phone and its antenna are at least one inch (2.5 centimeters) from your body when transmitting.**

Data Operation

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

Approved Accessories

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

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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:

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- 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.

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- pull off the road and park before making or answering a call if driving conditions so require.

Operational Warnings

For Vehicles With an Air Bag

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

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless the phone is a model specifically identified as being "Intrinsically Safe" 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: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often but not always posted.

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Blasting Caps and Areas

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

Operational Cautions

Antennas

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

Batteries

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

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Getting Started

What's in the Box?

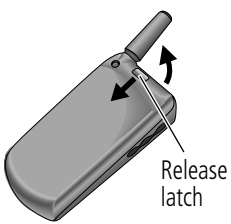
Your digital wireless phone typically comes equipped with a battery and a charger. Other accessory options can customize your phone for maximum performance and portability..

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

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

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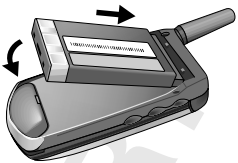
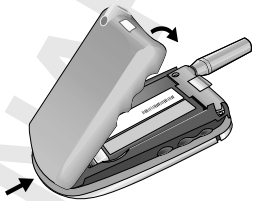
Do This	
3 Insert the battery, printed arrows first, into the battery compartment and push down.	
4 Insert the ridge at the bottom of the battery door into the base of the phone, then push the door down and snap it into place.	

Charging the Battery

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

Do This	
1 Plug the travel charger into your phone with the release tab facing up.	
2 Plug the other end of the travel charger into the appropriate electrical outlet.	

PRELIMINARY

Do This	
3 When your phone indicates that the battery is fully charged (Charge Complete), press the release tab and remove the travel charger.	

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 If necessary, enter your four-digit unlock code and press OK (▬)	unlock your phone The unlock code is originally set to 1234. (For more information, see "Locking and Unlocking Your Phone" on page 139.)

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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 **Tip:** Your phone uses a two-stage antenna that must be fully extended for proper operation. You may have to pull on the antenna a second time to extend the antenna to its maximum length.
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 (send key)	send the call

Ending a Call

Press	To
(end key)	end the call

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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
or ANSWER ( )	answer the call

Displaying Your Phone Number

From the idle display:

Press	To
MENU #	see your phone number

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About Your Phone

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

Display

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

Messages, phone numbers, and menu options appear in the middle of the display. Text labels at the bottom corners of the display show the current soft key functions. A ☰ (menu) indicator in the bottom center of the display indicates that you can open the main menu or a feature sub-menu to see more options. For more information about the soft key and menu key labels, see "Using the Menu" on page 45.

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.

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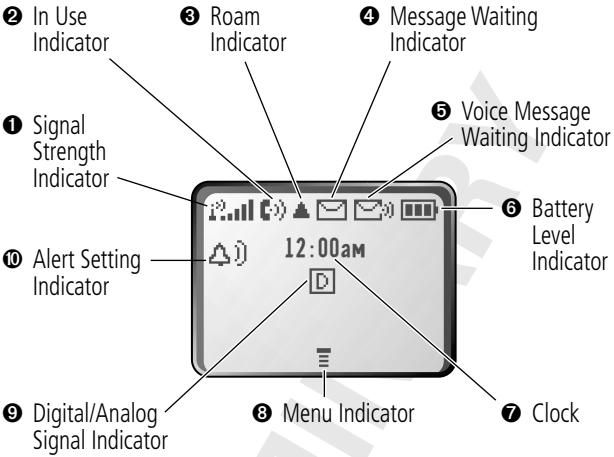

❶ Signal Strength Indicator Shows the strength of your phone's connection with the network.

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.

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

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

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

High Empty

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

❼ Clock Shows the current time.

❽ Menu Indicator Indicates that you can press MENU to open a menu. See "Using the Menu" on page 45.

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

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

	Loud ring		Soft ring
	Vibrate		Ring and vibrate
	Silent		

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Changing the Zoom Setting

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

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

You can also adjust the zoom setting from the menu. See the "Zoom" item on page 67.

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	incoming call
flashing green	in service, home system
flashing yellow	roaming, non-home system
flashing red	no service
alternating yellow/green	text or voicemail message received

By default, the status light indicator is turned off to extend battery life. See the "Status Light" item on page 67 to turn on the status light.

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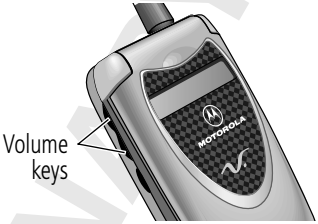
Note: Turning on the status light will substantially reduce your phone's *standby time* (the length of time that your phone's battery retains power when the phone is turned on but is not in use).

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
From the idle display (with flip opened)	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 120.

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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 ( ).

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

You can also use the smart key to perform specific functions in the external display when the 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.

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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.

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Battery Use

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

To maximize your battery's performance:

- Always use Motorola 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 vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.
- The more you talk on the phone or use phone features (like sending text messages), the less standby time your battery has. You can also extend battery life by turning off the status light. (See the "Status Light" item on page 67.)

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

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Sending and Receiving Calls

For basic instructions on how to send a call, end a call, and receive a call, see page 22 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	hang up
2	redial the busy number

Using Automatic Redial

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

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

Press	To
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.

PRELIMINARY

You must activate automatic redial in order to use the feature. See the "Auto Redial" item on page 67 to turn on automatic redial.

Caller ID

Network / Subscription Dependent Feature

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**.

Talk Secure

When *talk secure* is activated, your phone always tries to use a high-security connection to prevent others from intercepting your calls. To activate the secure connection feature, see "Activating Talk Secure" on page 142.

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

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Returning an Unanswered Call

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

- the (missed call) indicator
- 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, with the most recent call at the top
2	scroll through the list and select a call that you want to return
3	send the call

Dialing an Emergency Number When the Phone is Locked

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

When you see Enter Unlock Code in the display:

Press	To
1 keypad keys	dial the emergency number (such as 911)
2	call the emergency number

PRELIMINARY

Entering Numbers in the Notepad

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

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

Muting the Ring or Vibrate Alert

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

While the phone is ringing or vibrating:

Press	To
either volume key	turn off the ring or vibration alert

To specify a ring or vibration type, see "Ring/Vibrate" on page 119.

PRELIMINARY

Terminating an Incoming Call

While the phone is ringing or vibrating:

Press	To
END or IGNORE ( )	cancel the incoming call

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

Dialing With Speed Dial

The *speed dial* feature lets you dial any phonebook entry with a minimal 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 #	submit the number
3 SEND	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 77.

PRELIMINARY

Dialing With One- Touch Dial

You can call phonebook entries 2 through 9 with the push of a single key. Just press and hold the one-digit speed dial number for one second.

It is recommended that you reserve location 1 in the phonebook for storing your voicemail number. In many cases, your service provider has already stored your voicemail number in location 1. If your voicemail number is not accessible by pressing and holding the 1 key, complete the following steps:

Do	This	To
1	Store your voicemail number in phonebook location number 1 (see "Storing a Phonebook Entry" on page 77)	enable the 1 key voicemail shortcut
2	Complete the instructions for "Storing Your Voicemail Number" on page 94	enable voicemail soft key and menu shortcuts

To store entries in locations 2 through 9 in the phonebook, see "Storing a Phonebook Entry" on page 77.

PRELIMINARY

Dialing a Number In a Text Message

Network / Subscription Dependent Feature

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

Note: You must set up your inbox before opening text messages. See "Setting Up the Text Message Inbox" on page 96.

Find the Feature MENU > Messages > Text Msgs

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

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

PRELIMINARY

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.

While dialing (with digits visible in the display):

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 call that requires you to dial and send additional digits (for example, to make a calling card call, or to retrieve messages from an answering machine): • **Pause** tells your phone to wait until the call connects before it sends the next digit(s) in a series. • **Wait** tells your phone to wait until the call connects, and then to prompt you before it sends the next digit(s). • **'n'** tells your phone to stop and to prompt you for a number before it sends the next digit(s).
Press MENU > Attach Number	attach a number from the phonebook or recent calls list to the end of the digits you entered
Press MENU > Send Message	create a text message addressed to the number entered

PRELIMINARY

You can also call numbers using these features:

Do This	To Call
Press and release the voice key on the right side of your phone and say the entry's name (in two seconds).	a phone number using the voice dial feature See "Recording a Voice Name For a Phonebook Entry" on page 79.
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

PRELIMINARY

Using Features While On a Call

Using Call Waiting

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

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

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

To end the first call and answer the second call:

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

PRELIMINARY

Making a Three- Way Call

Network / Subscription Dependent Feature

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	call the number and connect the new person
3	connect the two calls
4	end the entire call

PRELIMINARY

Additional On-Call Features

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

Do This	To
Press MUTE (▬) (if available) **or** Press MENU > Mute	mute a call
Press SPEAKER (▬) (if available) **or** Press MENU > Spkrphone On	activate an attached speakerphone (hands-free mode)
Press MENU > My Tel. Number	see your phone number
Press MENU > Send Tones	send a number to the network as DTMF tones, for credit card calling or password entry To activate DTMF tones, see the "DTMF" item on page 68.

PRELIMINARY

Using the Menu

Navigating to a Feature

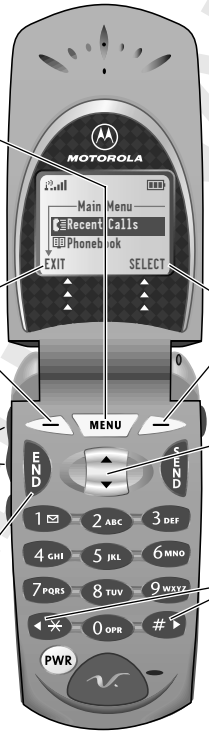
You can access many of your phone's features by using these keys to move through the menu system:

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

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

Volume Keys
Move up or down through menus and lists.

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



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

Scroll Key
Move up or down through menus and lists.

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

PRELIMINARY

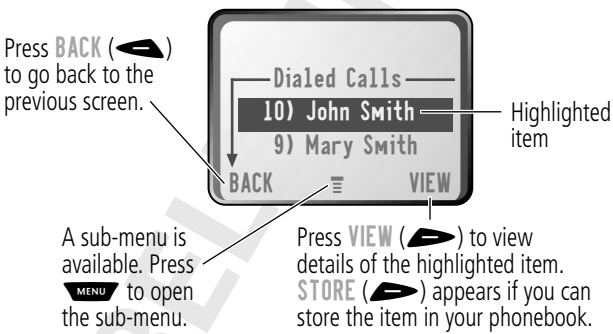
This guide shows you how to navigate to a specific menu feature as follows:

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:

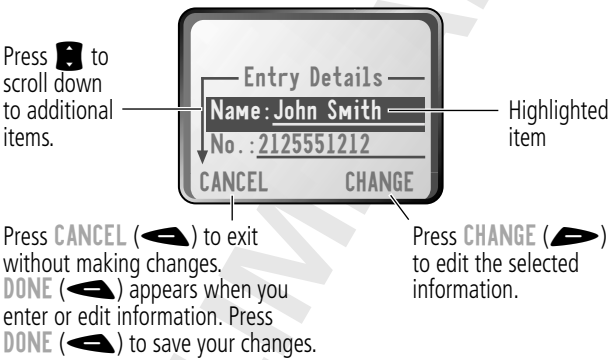
- Press to scroll up or down to the item you want.
- In a numbered list, press a number key to highlight the item.

PRELIMINARY

- 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:



- Enter numbers or text with the keypad. (See "Entering Text" on page 49.)
- When an item has a list of possible values, press * or # to scroll through and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.
- If you enter or edit information and then decide that you do not want to save your changes, press END to exit without saving.

PRELIMINARY

The message center lets you compose and send text messages. (See "Entering Text" on page 49.) A *flashing cursor* shows you where the text will appear:

Flashing cursor indicates insertion point.

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

Press CANCEL (▬) to exit without making changes.

Press MENU to open the sub-menu.

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

Block cursor indicates current highlighted character.

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

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.

PRELIMINARY

Entering Text

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

You can enter all characters (letters, numbers, and symbols) using the standard tap method. Other text modes let you easily enter numbers and symbols, or insert text already stored on your phone. Finally, a predictive text mode lets you enter text messages with a minimum of keypresses.

Choosing a Text Mode

To activate a text mode, press MENU from any text entry screen and select the text mode from the **Entry Method** menu:

iTAP	Let the phone predict each word as you enter it, then choose the word from a list (see "Predictive Text Entry with iTAP™ Software" on page 54).
Tap Method	Enter characters one at a time by pressing the key for the letter, number, or symbol (see "Tap Method" on page 50). This is the standard mode for entering text on your phone.
Numeric	Enter only the number that appears on each key.
Symbol	Enter symbols only (see "Symbol Mode" on page 53).
Browse	Browse through your phonebook and recent calls lists to select a name or number to enter.

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

PRELIMINARY

Tap Method

Tap method is the default standard mode for entering text on your phone.

To activate tap method from any text entry screen, press MENU and select the **Tap Method** menu option.

To enter text using the tap method:

Do	This	To
1	Press a number key one or more times	cycle through the characters associated with the key and select the character you want (see the "Character Chart" on page 52).
2	Continue to press number keys	enter the rest of the characters in the text message
3	Press **OK** ( )	accept and store the text when you are finished

PRELIMINARY

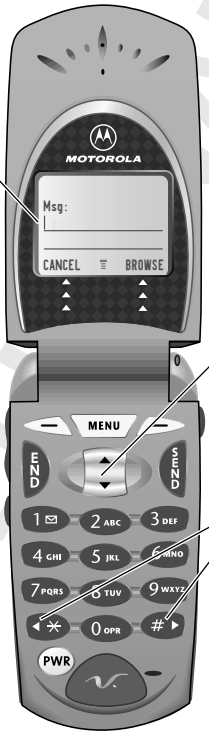
General Text Entry Rules

Use the keypad to enter letters, numbers, symbols, and other characters with the tap method. Press the same key repeatedly to cycle through available characters (see the "Character Chart" on page 52):

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 in text message, or change character in block cursor to uppercase or lowercase.

Move flashing cursor to the left or right in text message.

PRELIMINARY

- 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 change 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, symbols, and other characters with the tap method. 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
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 * / = > < # §

PRELIMINARY

Symbol Mode

Your phone provides an alternate way to find and enter symbol characters in a text message. You can view and select from a variety of available symbols.

To activate symbol mode from any text entry screen, press MENU and select the **Symbol** menu option.

To enter a symbol in symbol mode:

Do	This	To
1	Press a number key one time	display its symbol options (see the "Symbol Chart" on page 54) The symbols associated with the key you pressed are shown at the bottom of the display. If necessary, press other keypad keys to find the symbol you want.
2	Press * or # **or** the number key multiple times	highlight the symbol you want
3	Press **SELECT** ( )	add the highlighted symbol to the text area at the top of the display

PRELIMINARY

Symbol Chart

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

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

Predictive Text Entry with iTAP™ Software

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

You must activate iTAP software prior to entering letters. You can do this from any text entry screen by pressing MENU and selecting the iTAP menu option.

PRELIMINARY

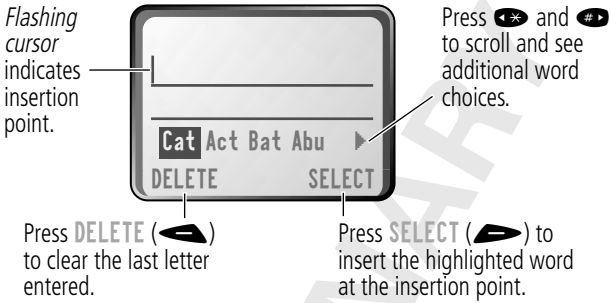
Enter Words

To enter a word:

Do This		To
1	Press a number key one time	enter the first letter of the word The letters associated with the key you pressed are shown at the bottom of the display.
2	Press number keys (one per letter)	enter the rest of the word Alternative words and letter combinations are shown at the bottom of the display based on the keys you press. These word choices are updated with each keypress.
3	When you have entered all the letters of the word, press ◀ * or # ▶	locate and highlight the word you want
4	Press SELECT ( )	add the highlighted word to the text area at the top of the display A space is automatically inserted after the word.

PRELIMINARY

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



Enter Novel Words

You may enter a word that is not in the iTAP software dictionary. If you enter all the letters of a word but the word is not displayed:

Do This		To
1	Press DELETE (−) one or more times	delete one or more letters until you see a letter combination that matches the start of the word
2	Press * or #	highlight the letter or letter combination
3	Press SELECT (−), then press *	shift the text entry cursor to the left and "lock" the selected portion of the word

PRELIMINARY

Do This	To
4 Continue entering letters and highlighting letter combinations	spell the word

Punctuation

The iTAP software automatically adds a space after each word. When you enter punctuation, this space is removed. To use punctuation:

Press	To
1 or 0	enter punctuation or other characters as shown in the "Character Chart" on page 52

Capitalization

The first word of a sentence is automatically capitalized, with following words in lowercase. To set or adjust character capitalization:

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

PRELIMINARY

Enter Numbers

To enter a number:

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

Delete Letters and Words

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

Do This	To
Press DELETE (◄)	delete one letter at a time
Continue to hold DELETE (◄)	delete the entire message

PRELIMINARY

Menu Feature Descriptions

This chapter describes all of your phone's features in order of the menu map shown on pages 3–4. Some descriptions also include page numbers where you can find more detailed information.

If you would like to learn more about a specific feature, a reference guide for your phone is also available. To obtain a copy of the reference guide or another copy of this user guide, see the Motorola Web site at:

`http://motorola.com/consumer/manuals`

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

Main Menu

Recent Calls

Received Calls MENU > Recent Calls > Received Calls

View a list of recently received calls. See "Viewing the Received Calls or Dialed Calls List" on page 70.

Dialed Calls MENU > Recent Calls > Dialed Calls

View a list of recently dialed calls. See "Viewing the Received Calls or Dialed Calls List" on page 70.

PRELIMINARY

Notepad

MENU > Recent Calls
> Notepad

Call or store the last number entered on the keypad. See "Entering Numbers in the Notepad" on page 36 and "Using the Notepad" on page 72.

Call Times

MENU > Recent Calls
> Call Times

View call timers that track time spent on your last call, dialed calls, received calls, all calls since reset, and all calls total. See "Call Times" on page 73.

PHONEBOOK

MENU > Phonebook

Store names and numbers as entries in your phonebook, then call numbers by selecting them from the phonebook list. See "Phonebook" on page 76.

DATEBOOK

MENU > Datebook

Use the datebook calendar to schedule and review your appointments. See "Datebook" on page 85.

QUICK DIAL

MENU > Quick Dial

Network / Subscription Dependent Feature

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

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

PRELIMINARY

RADIO

MENU > Radio

Optional Accessory

Listen to FM radio stations with the optional Motorola Original™ FM Stereo Radio Headset accessory. This menu feature is displayed only when the FM Stereo Radio Headset is plugged into the accessory connector port on your phone. See "Radio" on page 91.

MESSAGES

MENU > Messages

Network / Subscription Dependent Feature

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

Voicemail	Listen to your recorded voice messages. See "Messages—Voicemail" on page 94
Text Msgs	Send and receive text messages. See "Messages—Text" on page 96
Browser Alerts	Read alert messages received by your micro-browser
Quick Notes	Select and send pre-written messages from the quick notes list. See "Sending a Quick Note Text Message" on page 103
Outbox	View all outgoing text messages, delivered and undelivered
Drafts	Store and edit text messages that you have written but not sent

PRELIMINARY

SHORTCUTS MENU > Shortcuts

Create keypad or voice shortcuts to menu features. See "Shortcuts" on page 107.

VOICE NOTES MENU > Voice Notes

Use the voice key to record messages and phone calls. See "Voice Notes" on page 111.

BROWSER MENU > Browser

Network / Subscription Dependent Feature

Access Web pages and run Web-based applications. The micro-browser delivers WAP (Wireless Application Protocol) pages from your service provider directly to your phone. See "Micro-Browser" on page 117.

Settings Menu

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 119.

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 119.

PRELIMINARY

Phone Status

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

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

Battery Meter MENU > Settings > Phone Status > Battery Meter

View a detailed battery charge meter.

Other Information MENU > Settings > Phone Status > Other Information

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

Connection

Optional Accessory

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

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. See "Receiving a Data or Fax Call" on page 134.

PRELIMINARY

In-Call Setup

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

In-Call Timer

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

Adjust call timer display and beep settings. You can set your timer to beep at a selected interval during your calls. (60 seconds is the default.) You can also turn on or off a display timer during calls as follows:

Time	Display the elapsed time for the current call
Off	No in-call timer display

Answer Options

MENU > Settings > In-Call Setup > Answer Options

Turn call answering options on or off:

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

Security

Phone Lock

MENU > Settings > Security > Phone Lock

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

PRELIMINARY

Lock Keypad MENU > Settings > Security > Lock Keypad

Lock and unlock your keypad. See "Locking and Unlocking Your Keypad" on page 140.

Lock Application MENU > Settings > Security > Lock Application

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

Talk Secure MENU > Settings > Security > Talk Secure

Activate a secure connection to prevent others from intercepting your calls. See "Talk Secure" on page 34 and "Activating Talk Secure" on page 142.

Restrict Calls MENU > Settings > Security > Restrict Calls

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

New Passwords MENU > Settings > Security > New Passwords

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

PRELIMINARY

Other Settings

Personalize

MENU > Settings
> Other Settings
> Personalize

Set several personal phone options:

Main Menu	Change the order of the main menu (See "Reordering Menu Items" on page 127.)
Keys	Change the functions of the soft keys and smart key in the idle display (See "Customizing a Soft Key Function" on page 127.)
Greeting	Change the text displayed when you turn on your phone
Banner	Change the text that appears in the idle display **Note:** Banner text does not appear in your phone's external display.
Quick Dial	Change quick dial number(s)

Initial Setup

MENU > Settings
> Other Settings
> Initial Setup

Set many basic phone options:

Time and Date	Set the phone's time and date

PRELIMINARY

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

Network / Subscription Dependent Feature

Auto Redial Use this option to turn on or turn off the automatic redial feature. When you turn on automatic redial, your phone automatically redials calls that fail due to network conditions. (See "Using Automatic Redial" on page 33.)

Backlight Set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power

Status Light Turn the status light off (to conserve battery power) or on

Zoom Switch between three lines (**Zoom Out**) and two lines (**Zoom In**) of display text

Scroll Force the cursor to stop or wrap around when it reaches the top or bottom of a list in the display

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

PRELIMINARY

Language	Set the language for phone menus
Battery Save	Adjust the phone's power usage characteristics to conserve power
Contrast Setting	Adjust the contrast setting for your display
DTMF	Set DTMF tones on or off
Master Reset	Reset all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer
Master Clear	Reset all options back to their original factory settings *except* for the unlock code, security code, and lifetime timer, *and* clear all user settings and entries **Note:** This option *erases all user-entered information* stored in your phone's memory, including phonebook and datebook entries. Once you erase the information, it cannot be recovered.

Network

MENU > Settings
> Other Settings
> Network

View and adjust your phone's network settings.

Your service provider registers your phone to a network. You can view information about the current network, change how your phone searches for a network, and turn on/off

PRELIMINARY

alerts that indicate when a call is dropped or network registration changes.

Car Settings

MENU > Settings
> Other Settings
> Car Settings

Optional Accessory

Adjust hands-free car kit settings.

You can set your phone to route calls directly to the car kit when it detects a connection, and automatically answer calls after two rings. See "Hands-Free Use" on page 128.

Headset

MENU > Settings
> Other Settings
> Headset

Optional Accessory

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

PRELIMINARY

Recent Calls

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

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 1 to go directly to the dialed calls list from the idle display.

To open the recent calls menu:

Find the Feature MENU > Recent Calls

Press	To
1	scroll to Received Calls or Dialed Calls
2 SELECT ( )	select Received Calls or Dialed Calls
3	scroll to an entry you want to call, store, or delete **Note:** ✓ means the call connected.

PRELIMINARY

Press	To
4	call the entry's number **Tip:** Press and hold for two seconds to send the entry number as DTMF tones. To activate DTMF tones, see the "DTMF" item on page 68.
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 No. field. (This option is not available if STORE appears above the key, or if the number is already stored as a phonebook entry.)
Delete	Delete the entry. (This option is not available if DELETE appears above the key.)
Delete All	Delete all entries in the current list.

PRELIMINARY

Option	Description
Send Message	Create a new text message, with the selected number in the Tel No. field. See "Sending a Text Message" on page 100.
Add Digits	Add digits to the end of the selected number.
Attach Number	Attach another number from the phonebook or recent calls list to the end of the selected number.
Send Tones	Send the selected number to the network as DTMF tones, for credit card calling or password entry. (This option is available only during an active call.) To activate DTMF tones, see the "DTMF" item on page 68.

Using the Notepad

Your phone uses a notepad to store the most recent string of digits entered—either for a phone number that you called or for a number that you entered but did not call.

To call the number stored in the notepad, press from the idle display.

PRELIMINARY

To create a phonebook entry or perform other operations with the number:

Find the Feature	MENU > Recent Calls > Notepad

Press	To
MENU	open the Dialing Menu (to attach a number or insert a special character). See "Additional Dialing Features" on page 40.
or	
STORE ( )	create a new phonebook entry, with the notepad number copied into the No. field. See "Storing a Phonebook Entry" on page 77.

Call Times

Your phone tracks and records call times. Use the recent calls menu to view and reset a call timer.

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

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

PRELIMINARY

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

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

Viewing and Resetting Call Times

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
4 SELECT ( )	view the recorded time

PRELIMINARY

To reset the call timer:

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

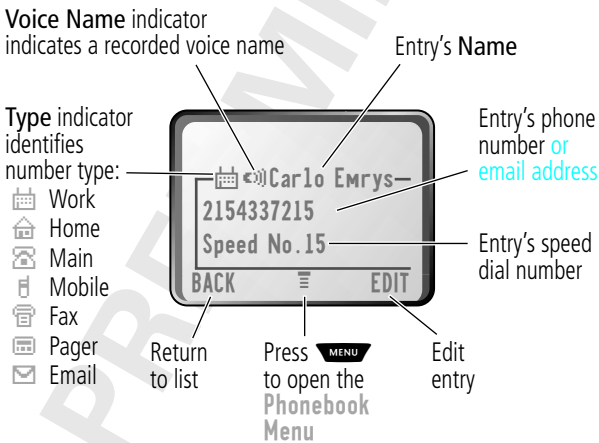
PRELIMINARY

Phonebook

You can store a list of names and phone numbers or email addresses in your phone's electronic phonebook. You can view these entries and call them directly from your phone. For email addresses, you can send a text message directly from your phone.

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

Fields in a Phonebook Entry Form



PRELIMINARY

Storing a Phonebook Entry

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

Shortcut: Enter a phone number in the idle display, then press STORE (▬) to create a phonebook entry with the number in the No. field. Go directly to step 3 in the following procedure to enter additional information and store the entry.

Enter Information

Find the Feature MENU > Phonebook
MENU > New

Press		To
1	⬍	scroll to Phone Number or Email Address
2	SELECT (▬)	select the type of entry
3	CHANGE (▬)	select Name
4	keypad keys	enter a name for the phonebook entry (see "Entering Text" on page 49)
5	OK (▬)	store the name
6	CHANGE (▬)	select No. or Email
7	keypad keys	enter the phone number or email address
8	OK (▬)	store the phone number or email address

PRELIMINARY

Press	To
9 CHANGE (▬)	select Type **Note:** This option is not available for email entries. Your phone automatically applies an ✉ (email) type indicator when you enter an email address.
10 ⬍	scroll to the type of phone number
11 SELECT (▬)	select the number type
12 RECORD (▬) **or** Go to step 13 if you do not want to record a voice name for the entry	record a voice name for the entry, if desired See "Recording a Voice Name For a Phonebook Entry" on page 79.
13 ⬍	scroll to Speed No., the number to *speed dial* the entry The next available speed dial number is assigned to a new phonebook number by default.
14 CHANGE (▬)	select Speed No. if you want to change it
15 keypad keys	enter a different speed number, if desired

PRELIMINARY

Press	To
16 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.
17 SELECT (▬)	select MORE if you want to create another entry with the same Name **Note:** You must enter a name and number to use this option.

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

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

Recording a Voice Name For a Phonebook Entry

You can record a voice name when you create a new phonebook entry, or when you edit a previously stored phonebook entry. This lets you use voice dial to call the number without dialing (see "Voice Dial" on page 81).

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

PRELIMINARY

speak directly into the phone's microphone in a normal tone of voice.

Find the Feature MENU > Phonebook

Do This		To
1	Press	scroll to the entry that needs a voice name
2	Press VIEW ( )	display the entry's detailed view
3	Press EDIT ( )	edit the phonebook entry
4	Press	scroll to Voice Name
5	Press RECORD ( )	begin the recording process The phone displays Press Voice key then say name.
6	Press and release the voice key on the right side of your phone and say the entry's name (in two seconds)	record the voice name The phone displays Press Voice Key then REPEAT name.
7	Press the voice key and repeat the name	confirm the voice name The phone displays Trained: Voice Name.

Dialing a Phonebook Entry

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

PRELIMINARY

"Dialing With Speed Dial" on page 37. To use one-touch dial, see "Dialing With One-Touch Dial" on page 38.

Phonebook List

To call a number or send email to an entry in the phonebook list:

Find the Feature MENU > Phonebook

Press	To
1	scroll to the entry you want to call
2	send the call (for a phone number) **or** open a new message form with the entry's address in the **To** field (for an email address)

Voice Dial

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

Do This	Result
Press and release the voice key on the right side of your phone and say the entry's name (in two seconds).	Your phone goes to the entry in the phonebook list, repeats the voice name, waits two seconds, then automatically dials the call (for a phone number) or opens a new message form (for an email address).

PRELIMINARY

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 a phonebook entry by following the procedures described in "Storing a Phonebook Entry" on page 77.

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
5 YES ( )	confirm the deletion

PRELIMINARY

Checking Phonebook Capacity

You can check your phonebook's capacity to see how many entries you have used and how many more are available.

To check the phonebook capacity for your phone:

Find the Feature MENU > Phonebook

Press	To
1 MENU	open the Phonebook Menu
2	scroll to Ph Book Capacity
3 SELECT ( )	select Ph Book Capacity The phone displays the number of entries that are in use and the number that are empty.

SynchronizingwithTrueSyncSoftwa re

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

PRELIMINARY

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

PRELIMINARY

Datebook

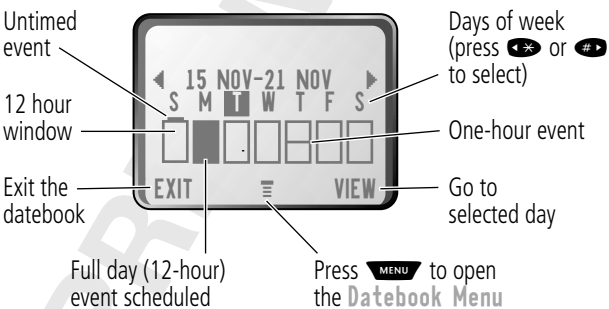
The datebook is a calendar that lets you schedule and organize events such as appointments and meetings. You can review your schedule of events for the week or by the day, and have the datebook play a reminder alarm for specific events. To schedule or see events:

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.

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.



PRELIMINARY

Day View

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

Event View

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

PRELIMINARY

Storing a New Event

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

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

See "Selecting a Feature Option" on page 46 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 49)
3 OK ( )	store the event title
4	scroll to other fields and enter information as necessary Other fields let you enter start time, duration, date, repeating events, and reminder alarm.
5 DONE ( )	store the new event and return to the day view

PRELIMINARY

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 detail you want to change
7 CHANGE ( )	edit the information
8 keypad keys	enter the new information
9 DONE ( )	store the information and return to the day view

PRELIMINARY

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 Datebook Menu
5 ↕	scroll to Copy
6 SELECT ( )	copy the event
7 YES ( )	confirm the copy Your phone assumes that you want to change the date, and displays the Date field.
8 keypad keys	enter the date information
9 ▶ ( )	move to the month, day, and year
10 DONE ( )	save the copy of the event
11 DONE ( )	return to the day view

PRELIMINARY

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 Datebook 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.

PRELIMINARY

Radio

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

Turning the Radio On and Off

Press	To
Radio ( )	turn the radio on and off

Alternatively, you can use the following procedure:

Press	To
1 MENU	open the menu
2	scroll to Radio
3 On ( ) or Off ( )	turn the radio on or off

Note: The Radio ( ) soft key option and Radio menu feature are displayed only when the FM Stereo Radio Headset is plugged into the accessory connector port.

Tuning a Station

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

PRELIMINARY

Storing a Preset

To store a station to a preset that you can recall later:

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

Your phone interrupts the radio signal and rings or vibrates as usual to notify you of an incoming call, message, or other event. When you receive a call:

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

PRELIMINARY

To end the call and resume the FM broadcast:

Do This	To
Press End **or** Press and hold the button on the FM Stereo Radio Headset microphone	end the call

Turn the radio off before dialing outgoing calls from the phone keypad. You do not have to turn off the FM radio feature to dial emergency numbers, or numbers selected from your phonebook or other lists.

Tip: To dial a recently called number, press 1 or the button on the FM Stereo Radio Headset microphone to go to the dialed calls list. For more information, see "Recent Calls" on page 70.

PRELIMINARY

Messages—Voicemail

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

Storing Your Voicemail Number

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

Find the Feature 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. (See "Reminders" on page 126.)

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From the new message notification:

Do This	To
Press CALL (▬)	call your voicemail phone number and listen to the message

Listening to a Voicemail Message

To listen to your voicemail messages at any time:

Find the Feature 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.

PRELIMINARY

Messages—Text

Network / Subscription Dependent Feature

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

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

Setting Up the Text Message Inbox

Find the Feature MENU > Messages
MENU > Text Msg Setup

Press	To
1 ▲▼	scroll to Srvce Center No.
2 CHANGE (▬)	change the Srvce Center No. which is provided by your service provider
3 keypad keys	enter the phone number for the service center that handles your outgoing messages
4 OK (▬)	store your service center number
5 CHANGE (▬)	change the Expire After period
6 keypad keys	enter the expiration period—the number of days your network tries to send unreceived messages
7 OK (▬)	store the expiration period

PRELIMINARY

Press	To
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 or	switch between the number and the label
13 DONE ( )	store the custom cleanup period after you finish entering all information

Receiving a Text Message

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

When you receive a new message, your phone displays New Message ✉ and gives an alert. If reminders are turned on, your phone sends a reminder every five minutes until you close the new message notification, read the message, or turn off your phone. (See "Reminders" on page 126.)

When your inbox is full, any new message replaces the oldest unlocked message.

PRELIMINARY

From the new message notification:

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

Reading, Locking, or Deleting a Text Message

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

Messages in the text message inbox are sorted from newest to oldest. The oldest messages are deleted as new ones are added. If you want to save a message, you should lock it to prevent it from being overwritten as new messages are received.

Find the Feature MENU > Messages > Text Msgs

Press	To
1	scroll to the message you want (= unread and urgent, = read, = read and locked)
2 READ ( )	open the message

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Press	To
3 SAVE (◄)	close the message without changes
or	
DELETE (►)	delete the message
or	
MENU	open the Text Msg Menu to perform other procedures as described in the following list

The Text Msg Menu includes the following options:

Option	Description
Call Back	Call the number in the message header or the message text.
Go To	Go to a Web address (URL) in the message.
Reply	Open a new text message, with the message's Reply To number or email address in the To field.
Forward	Open a copy of the text message, with an empty To field.
Lock/Unlock	Lock or unlock the message.
Delete or Delete All	Delete the message or all inbox messages. Press Yes (◄) to confirm the deletion.

PRELIMINARY

Option	Description
Store Number	Open a new phonebook entry with the message's embedded number in the No. field.
Store Address	Open a new phonebook entry with the message's embedded email address in the Email field (if more than one address is embedded, you can select one from a list).
Create Message	Open a new text message window.
Setup	Open the inbox setup menu.

Sending a Text Message

To create and send a new text message:

Find the Feature MENU > Messages > Text Msgs
MENU > Create Message

Press	To
1 CHANGE (▬)	select To
2 keypad keys	enter the phone number or email address where you want to send the message **Note:** To send the message to multiple recipients, see "Sending a Text Message to More Than One Person" on page 102.
3 OK (▬)	store the number or email address
4 CHANGE (▬)	select Msg

PRELIMINARY

Press	To
5 keypad keys	enter the text message (see "Entering Text" on page 49)
6 OK (▬)	store the text message **Note:** Message length is limited. When 40 or fewer characters remain, a two-digit counter at the top of the display shows how many are left.
7 CHANGE (▬)	select Priority
8 ▲▼	scroll to the priority you want
9 SELECT (▬)	set the priority
10 CHANGE (▬)	select Call
11 keypad keys	enter the number you want your recipient to call back (the message's From field)
12 OK (▬)	store the number
13 DONE (◀)	finish the message Your phone displays Send Message Now?
14 YES (◀) **or** NO (▬)	send the message cancel the message or save it as a draft

PRELIMINARY

Sending a Text Message to More Than One Person

You can create and send a single text message to multiple recipients. To create the message:

Find the Feature MENU > Messages > Text Msgs
MENU > Create Message

Press	To
1 CHANGE ( )	select To
2 BROWSE ( )	open the Browse Menu
3	scroll to Phonebook
4 SELECT ( )	select Phonebook
5	scroll to a phone number or email address where you want to send the message
6 ADD ( )	add the number or address to the group of message recipients **Note:** To add more recipients, scroll to and select other phone numbers and/or email addresses from the phonebook list.
7 DONE ( )	close the phonebook list and return to the To field in the text message window

PRELIMINARY

Press	To
8 OK (▬)	store the numbers/addresses and complete the other message fields (for details, see "Sending a Text Message" on page 100)
or	
MENU	open the **To Menu** to browse for more phone numbers or email addresses • Press ⇕ to scroll to **Browse** • Press **SELECT** (▬) to open the **Browse Menu** and repeat this procedure for the additional numbers/addresses

Sending a Quick Note Text Message

Quick notes are short, pre-written text messages that you can create, select, edit, and send quickly (for example, **Meet me at ...**).

To send or save a quick note message:

Find the Feature MENU > **Messages** > **Quick Notes**

Press	To
1 ⇕	scroll to the quick note
2 MENU	open the **Quick Note Menu** to perform other procedures as described in the following list

PRELIMINARY

The **Quick Note Menu** includes the following options:

Option	Description
Create Message	Open an editor where you can create a new quick note. Enter text and press **OK** ( ) to save it as a quick note.
Edit	Open an editor where you can edit the selected quick note. Edit the quick note text and press **OK** ( ) to save your changes.
Delete	Delete the selected quick note.
Send	Open a new message, with the selected quick note text in the **Msg** field. Complete the other fields in the message (for details, see "Sending a Text Message" on page 100). To send the quick note to multiple recipients, see "Sending a Quick Note to More than One Person" on page 105.

PRELIMINARY

Sending a Quick Note to More than One Person

To send a quick note text message to multiple recipients:

Find the Feature MENU > Messages > Quick Notes

Press	To
1	scroll to the quick note
2 MENU	open the Quick Note Menu.
3	scroll to Send
4 SELECT ( )	select Send
5 CHANGE ( )	select To
6 BROWSE ( )	open the Browse Menu
7	scroll to Phonebook
8 SELECT ( )	select Phonebook
9	scroll to a phone number or email address where you want to send the message
10 ADD ( )	add the number or address to the group of message recipients **Note:** To add more recipients, scroll to and select other phone numbers and/or email addresses from the phonebook list.
11 DONE ( )	close the phonebook list and return to the To field in the quick note text message window

PRELIMINARY

Press	To
12 OK ( )	store the numbers/addresses and complete the other message fields (for details, see "Sending a Text Message" on page 100)
or	
MENU	open the **To Menu** to browse for more phone numbers or email addresses • Press to scroll to **Browse** • Press **SELECT** ( ) to open the **Browse Menu** and repeat this procedure for the additional numbers/addresses

Viewing the Status of Sent Text Messages

Text messages that you send are stored in the outbox. To view the contents of your outbox:

Find the Feature MENU > Messages > Outbox

Messages are sorted from newest to oldest. The following icons indicate message status:

» = Sending in progress

✓ = Delivered

✕ = Sending failed

= Read by recipient

PRELIMINARY

Shortcuts

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

Standard Shortcuts

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

Do This	To
Press MENU, then press and hold MENU (within two seconds)	zoom in/out your phone's display view (See "Changing the Zoom Setting" on page 27.)
Press MENU *	lock/unlock your keypad
Press MENU #	display your phone number
Press Quick	go to the dialed calls list (See "Recent Calls" on page 70.)

User-Settable Shortcuts

You can create shortcuts to many menu features and applications. A shortcut takes you directly to the menu item, or performs the menu action (if applicable).

PRELIMINARY

Creating a Shortcut

You can assign a keypad shortcut, or both a keypad shortcut *and* a voice shortcut to a menu item.

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

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

Do	This	To
1	Press MENU	enter the menu system
2	Scroll to the item to which you want to assign a shortcut	highlight the menu item
3	Press and hold MENU	open the shortcut editor The phone displays: Assign Shortcut for: "*Item*"? where *Item* is the name of the item you selected.
4	Press YES (—)	view shortcut options

PRELIMINARY

Do This		To
5	Press CHANGE ( )	change the keypad shortcut number, if necessary
	or	
	Press DONE ( )	select the default keypad shortcut number and close the shortcut editor if you do not want to assign a voice shortcut
	or	
	Press	scroll to Voice if you want to assign a voice shortcut
6	Press RECORD ( )	begin the recording process The phone displays Press Voice key then say voice shortcut.
7	Press and release the voice key on the right side of your phone and say the shortcut's name (in two seconds)	record the shortcut name The phone displays Press Voice key then REPEAT voice shortcut.
8	Press and release the voice key and repeat the name	confirm the shortcut name The phone displays Trained: Voice Shortcut
9	Press DONE ( )	close the shortcut editor

PRELIMINARY

Using Shortcuts

You can use a shortcut from the idle display, while on a call, or while scrolling through a menu.

Use a Keypad Shortcut

If you know the shortcut number:

Press	To
1 MENU	open the menu
2 the shortcut's number	go to the menu item, or perform the menu action

Select a Shortcut From the List

To select a shortcut from the shortcut list:

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

Use a Voice Shortcut

To use a voice shortcut:

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

PRELIMINARY

Voice Notes

The voice note 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

Use this procedure to record a voice note when the idle display is visible, or use it during a phone call to record the call. Your phone plays an alert tone to notify the other party that the call is being recorded.

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

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

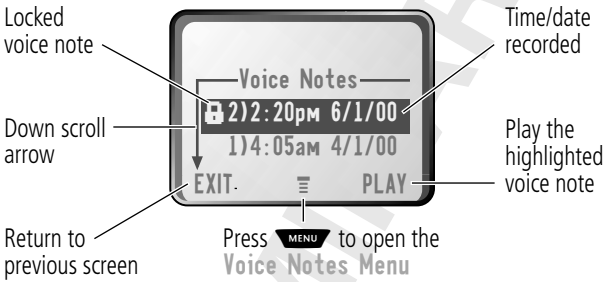
Do This		Result
1	Press and hold the voice key on the right side of your phone for the duration of the recording.	A tone sounds in the earpiece and the phone displays the Recording Voice Note message.
2	Speak your voice message into the phone.	The phone records the message and displays a recording timer.
3	Release the voice key to stop recording.	The phone displays the voice notes list number and the total recording time.

PRELIMINARY

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 > Voice Notes



New Voice Note appears at the end of the list or by itself if no voice notes are stored. Select New Voice Note 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 > Voice Notes

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

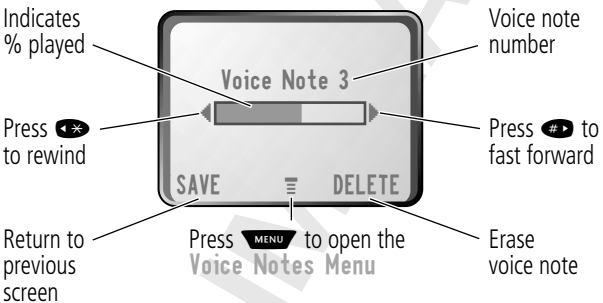
PRELIMINARY

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

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.



PRELIMINARY

Voice Note Controls

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

PRELIMINARY

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 > Voice Notes

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

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

PRELIMINARY

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 115.

Find the Feature MENU > Voice Notes

Press	To
1	scroll to the voice note you want to delete
2 MENU	open the Voice Notes Menu
3	scroll to Delete or Delete All
4 SELECT ( )	select the highlighted option The phone displays Delete Voice Note X?, or Delete All Voice Notes?
5 YES ( )	delete the selected voice note, or delete all voice notes

Notes:

- You can always press NO ( ) to cancel deletion.
- A deleted voice note cannot be recovered.

PRELIMINARY

Micro-Browser

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

Starting a Micro- Browser Session

To open the micro-browser:

Find the Feature MENU > Browser

The micro-browser displays the home page set up by your service provider.

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

Shortcut: If you open a text message with a Web address (URL) in it, you can go directly to the URL by selecting MENU > Go To.

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

PRELIMINARY

Interacting With Web Pages

You can perform the following operations on a Web page:

Do This	To
Press	scroll through a text message
Press and then SELECT ( )	scroll through and select items in a list
Press keypad keys and then OK ( )	enter requested information
Press to scroll to a phone number on a Web page, then press	call the number from the micro-browser
Press	go back to the previous Web page

PRELIMINARY

Adjusting Your Settings

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

Ring/Vibrate

Your phone rings or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. You can use a standard alert for all events, or set different alert types for different events. The alert setting indicator in your display shows the current standard alert setting:

	Loud ring		Soft ring
	Vibrate		Ring and vibrate
	Silent		

Select a Ring/Vibration for All Events

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

Press	To
1	scroll to the alert you want to use
2 SELECT ( )	select the alert The phone displays the Changed: Alert message.

PRELIMINARY

Select a Ring/Vibration for a Specific Event

You can select the alert that your phone uses for a specific event (such as an incoming call) from 32 different preset tones and vibrations. When you select a ring or vibration alert for a *specific* event, it overrides the default alert 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 event for which you want to set a new alert
2 CHANGE ( )	select the event The phone displays the list of available alerts.
3	scroll to the alert you want for the event
4 SELECT ( )	select the alert The phone displays the Changed: *Event Alert* message.

PRELIMINARY

Use the My Tones Feature

The my tones feature lets you create up to 32 custom alert tones for your phone. The tones you create appear in the list of available alerts (see "Select a Ring/Vibration for a Specific Event" on page 120).

Creating a Tone

Find the Feature MENU > Settings > Ring/Vibrate > My Tones
MENU > New Tone

Press	To
1 CHANGE ( )	select Notes
2 keypad keys	enter notes for the tone (see "Entering Notes" on page 122)
3 OK ( )	store the notes
4 CHANGE ( )	select Name
5 keypad keys	enter the name for the tone
6 OK ( )	store the name
7 DONE ( )	store the tone

PRELIMINARY

Entering Notes

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

Key	Phone Display	Description
1	1	set octave one
	2	set octave two
	3	set octave three
2 ABC	A	note A
	B	note B
	C	note C
3 DEF	D	note D
	E	note E
	F	note F
4 GHI	G	note G
	R	rest
7 PQRS	#	sharp
	b	flat
8 TUV	V	vibrate (one second)
0 OPR	h	half note or half rest
	w	whole note or whole rest
	q	quarter note or quarter rest

PRELIMINARY

Enter a note as follows:

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

PRELIMINARY

Example

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

Press	To	Phone Display
1 1 1	set octave three	3
2 2 2	enter a quarter note C	C
3 3 7 7	enter a quarter note E flat	Eb
4 4 0	enter a half rest	Rh
5 4 0 0	enter a whole note G	Gw

Playing a Tone

Find the Feature MENU > Settings > Ring/Vibrate > My Tones

Press	To
1	scroll to the tone you want
2 MENU	open the My Tones Menu
3	scroll to Play
4 SELECT (—)	select Play The phone displays the playback meter and plays the tone.

PRELIMINARY

Press	To
5 PLAY (▬)	play the tone again
or	
CANCEL (◄)	return to the my tones list

Editing a Tone

You cannot edit the standard tones included with your phone. To edit a custom tone that you created:

Find the Feature MENU > Settings > Ring/Vibrate > My Tones

Press	To
1 ⇕	scroll to the tone you want to edit
2 EDIT (▬)	open the tone details
3 ⇕	scroll to the details you want to edit (Name or Notes)
4 CHANGE (▬)	select the details you want to edit
5 keypad keys	enter new text or notes (see "Entering Notes" on page 122)
6 OK (▬)	store the details

Deleting a Tone

You cannot delete the standard tones included with your phone. To delete a custom tone that you created:

Find the Feature MENU > Settings > Ring/Vibrate > My Tones

PRELIMINARY

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

Reminders

Reminders are alerts that ring or vibrate to notify you about a voicemail or text message that you have received, or a datebook event that you have scheduled.

To set or turn off reminders:

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

Press	To
1	scroll to the reminder alert you want: Beep, Vibrate, or Off Beep or Vibrate sets the corresponding reminder alert type. Off turns off all reminders.
2 SELECT ( )	select the reminder alert

PRELIMINARY

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

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

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

Press	To
1	scroll to Left, Right, or Smart
2 CHANGE ( )	open the key editor
3	scroll to the new key function

PRELIMINARY

Press	To
4 CHANGE (▬)	confirm the new function The key will have the new function whenever the phone is idle.

Hands-Free Use

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

Note: The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

Automatic Answer

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

Find the Feature MENU > Settings > Other Settings

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

PRELIMINARY

Press	To
6 SELECT ( )	confirm the setting

Automatic Hands-Free

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

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

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

Power-Off Delay

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

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

PRELIMINARY

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 vehicle battery if you select this option.

Charger Time

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

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

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

PRELIMINARY

Data and Fax Calls

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

- synchronize data between your phone and an external device with TrueSync® software, a Motorola accessory product. See the TrueSync user guide for more information.
- use your phone as a wireless modem to connect to the Internet
- use your phone to send and receive data and fax calls on your computer or hand-held device.

For more information about Motorola Original data kits, see the Motorola Web site at:

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

Connecting Your Phone to an External Device

Connect your phone to an external device (such as a computer or hand-held device) using a serial cable or a USB cable.

Set Up a Cable Connection

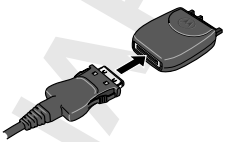
Attach a serial cable or Motorola Original USB cable to the phone and external device as follows.

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

PRELIMINARY

Attaching a Serial Cable

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

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

PRELIMINARY

Attaching a USB Cable

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

Install the Software

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

Sending a Data or Fax Call

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

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

PRELIMINARY

Connect your phone (see "Connecting Your Phone to an External Device" on page 131) and do the following:

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

Receiving a Data or Fax Call

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

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

PRELIMINARY

Set Up Your Phone

Before you receive a data or fax call, you must configure your phone for the incoming call type and connect the phone to the device that will receive the call.

Find the Feature MENU > Settings > Connection > Incoming Call

Do This		To
1	Press CHANGE ( )	select the Next Call menu option
2	Press	scroll to Data In Only or Fax In Only Selecting either of these options mutes the earpiece and routes the next incoming call to the connected device.
3	Press SELECT ( )	set the format for the next incoming call
4	Connect your phone to the device	enable the data or fax transfer (See "Connecting Your Phone to an External Device" on page 131.)

Note: You cannot answer incoming voice calls when your phone is in data or fax mode. Any voice calls you receive are treated as unanswered calls. You must reset your phone to voice mode to return these calls. See "Reset Normal Voice Operation" on page 136 and "Returning an Unanswered Call" on page 35.

PRELIMINARY

Transfer the Data or Fax

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

End the Data/Fax Connection

When the data or fax transfer is complete:

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

Reset Normal Voice Operation

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

Find the Feature MENU > Settings > Connection > Incoming Call

Do This	To
1 Press CHANGE ( )	select the Next Call menu option
2 Press	scroll to Normal
3 Press SELECT ( )	reset your phone to make and receive regular voice calls

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

PRELIMINARY

Assigning a New Code or Password

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

If your service provider has *not* reset these numbers, we recommend that you change them to prevent other users from accessing your personal information or modifying your phone settings. The unlock code must contain four digits, and the security code must contain six digits. Be sure to make a note of the new numbers.

Notes:

- Your service provider may retain your phone's security code for customer service purposes. In this case, you will not be able to use phone features that require you to enter the security code (such as master clear, master reset, and the unlock code bypass feature).
- If the only password you can change is the unlock code, the New Passwords menu is unavailable and the Unlock Code option appears on the Phone Lock menu. In this case, open the unlock code editor by selecting: MENU > Settings > Security > Phone Lock > Unlock Code.

To change a code or password:

Find the Feature MENU > Settings > Security > New Passwords

PRELIMINARY

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 138.
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 unlock code bypass screen
2 keypad keys	enter your security code
3 OK ( )	submit your security code

PRELIMINARY

Locking and Unlocking Your Phone

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

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

You can make emergency calls on your phone even when it is locked. See "Dialing an Emergency Number When the Phone is Locked" on page 35.

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

PRELIMINARY

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 138.
2 OK ( )	unlock your phone

Locking and Unlocking Your Keypad

You can lock your phone keypad to prevent accidental use. This feature is useful in situations where an accidental keypress might inadvertently dial an emergency number or one-touch dial number (for example, when carrying your phone in a purse or pocket).

Press	To
MENU	lock or unlock your keypad

Note: Incoming calls and messages unlock the keypad.

Restricting Calls

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

An incoming call that is restricted is treated as an unanswered call, and is added to the received calls list.

PRELIMINARY

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 four-digit unlock code
2 OK (▬)	open the restrict calls menu
3 ⇕	scroll to Outgoing Calls or Incoming Calls
4 CHANGE (▬)	select Outgoing Calls or Incoming Calls
5 CHANGE (▬)	change the Allow setting
6 ⇕	scroll to All, None, or Phonebook
7 SELECT (▬)	select the calls you want to allow

Tip: The phonebook application is not locked when you restrict calls to numbers stored in the phonebook. To prevent a user from adding (and then calling) a new phonebook entry, you may want to lock the phonebook application under these circumstances. See the "Lock Application" item on page 65.

PRELIMINARY

Activating Talk Secure

Your phone can attempt to send your calls using a high-security connection, to prevent others from intercepting them. For more information, see "Talk Secure" on page 34.

You can specify whether you prefer to use a secure connection or not:

Find the Feature MENU > Settings > Security > Talk Secure

Press	To
1	scroll to Preferred or Off
2 SELECT ( )	switch talk secure on or off

PRELIMINARY

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 20 and "Battery Use" on page 31.)
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.
Is the other party unable to hear you?	Make sure that your antenna is fully extended and that your phone is not muted. Press UNMUTE (▬) if necessary to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.

PRELIMINARY

Question	Answer
Has the phone been damaged, dropped, or gotten wet?	Dropping your phone, getting it wet, or using a non-Motorola battery or battery charger can damage the phone. The phone's limited warranty does not cover liquid damage or damage caused from using non-Motorola accessories.
Was a non-Motorola battery or battery charger used?	

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See "If You Forget a Code or Password" on page 138.
I pressed the power key, but nothing happened.	Be sure to press and hold 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 19.)

PRELIMINARY

Problem	Solution
The display says: Enter Unlock Code. How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last four digits of your phone number. (See "Locking and Unlocking Your Phone" on page 139.) If this fails, call your service provider (the company that sends you your monthly wireless service bill).
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you own the phone but do not know the unlock code, see "If You Forget a Code or Password" on page 138.
My phone does not ring.	If you see or in the display, then the ringer is turned off. See "Ring/Vibrate" on page 119.
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.

PRELIMINARY

Problem	Solution
I cannot send/ receive calls.	Make sure that your antenna is fully extended and that you have a phone signal (see the "Signal Strength Indicator" item on page 25). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have the Restrict Calls feature turned on. If you know the unlock code, you can change this setting in the security menu (MENU > Settings > Security).
My phone has poor reception and drops calls.	Make sure that your antenna is fully extended and is not bent or damaged. Also, make sure you have a phone signal (see the "Signal Strength Indicator" item on page 25). 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.

PRELIMINARY

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 96.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received, open the "Recent Calls" lists: MENU > Recent Calls > Received Calls **or** Dialed Calls
My phone will not send voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be 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.

PRELIMINARY

Problem	Solution
My phone's display is too dark.	You can use the Contrast Setting feature (see page 68) to change the level of contrast in your phone display. You can also use the Backlight feature (see page 67) 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 "Battery Use" on page 31.
I am unable to record a voice note, voice name, or voice shortcut	Try moving to a quieter location to make your voice recording. Hold the phone about four inches (10 centimeters) away from your mouth, and speak directly into your phone's microphone in a normal tone of voice.

PRELIMINARY

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.
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.

PRELIMINARY

Problem	Solution
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing END on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer.
I launched the micro-browser but the display says: Service Not Available.	You may be in an area without service. If you have wireless service, look in the display for the digital signal indicator (D). If you do not see the indicator, you may be in an area that has only analog service or no service at all. If you see the digital signal indicator, you may be connected to a digital network that does not support Internet access.
I launched the micro-browser but the display says: Data Server Unavailable.	Try again in a few minutes. The servers may be temporarily busy.

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Programming Instructions

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

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

Before programming, ask your service provider for your:

- 10-digit MIN (Mobile Identification Number)
- 8- to 15-digit IMSI (International Mobile Service Identifier)
- 8- to 15-digit MDN (Mobile Directory Number)

Do This		To
1	Press 7 PQRS 4 GHI 6 MNO 6 MNO 3 DEF # MENU MENU (These keys spell P-H-O-N-E + # MENU MENU).	open the user activation menu
2	Press SELECT ( )	select NAM1
3	Press the keypad keys for the 10-digit MIN	open the MIN display and enter the new MIN
4	Press OK ( )	store the new MIN
5	Similarly, enter appropriate numbers for the IMSI and MDN	
6	Press DONE ( )	close the NAM1 list
7	Press BACK ( )	close the user activation menu

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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 1.6 W/kg.[1] Tests for SAR are conducted using standard operating positions reviewed 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.

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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 1.27 W/kg[2], and when worn on the body, as described in this user guide, is 1.24 W/kg[2]. (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 exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of:

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

after searching on FCC ID IHDT56AS1.

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

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.

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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.

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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

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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

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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

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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

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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

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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`

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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.

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Warranty

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

I. What This Warranty Covers

- Products. Defects in materials and workmanship in wireless cellular telephones, pagers, and/or two-way radios, and certain accessories that are sold with them, such as the battery, battery charger and holster manufactured and/or sold by Motorola (Products).
- Batteries. Defects in materials and workmanship in batteries that are manufactured by Motorola and/or sold with Products are covered by this warranty only if the fully-charged capacity falls below 80% of rated capacity or they leak.
- Software. Physical defects in the media that tangibly embodies each copy of any software supplied with the Products.

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II. What the Period of Coverage Is

From the date the Products are purchased by the first end-user:

- Products. The warranty is for one year. Exception: The warranty for Spirit GT series and Talkabout series two-way radio accessories is for 90 days.
- Software. The warranty is for 90 days.
- Repairs/Replacements. The warranty is for the balance of the original warranty or for 90 days from the date you receive it, whichever is longer.

III. Who is Covered

This warranty extends to the first end-user purchaser, only.

IV. What We Will Do to Correct Warranty Problems

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

V. How to Get Warranty Service

Please call:

USA

Cellular	1-800-331-6456
Paging	1-800-548-9954
Two-Way	1-800-353-2729
TTY (Text Telephone)	1-888-390-6456

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Canada
All Products 1-800-461-4575
TTY (Text Telephone) 1-888-390-6456

You will receive instructions on how to ship the Products to Motorola. You must ship the Products to us with freight, duties and insurance prepaid. Along with the Products you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider (if this Product requires subscription service); (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number. If requested, you must also return all detachable parts such as antennas, batteries and chargers. RETAIN YOUR ORIGINAL PROOF OF PURCHASE.

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

VI. What This Warranty Does Not Cover

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

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- Someone other than Motorola (or its authorized service centers) tests, adjusts, installs, maintains, alters, modifies or services the Products in any way. Any of these voids the warranty.
- Rechargeable batteries that: (a) are charged by other than the Motorola-approved battery charger specified for charging such batteries; (b) have any broken seals or show evidence of tampering; (c) are used in equipment other than the Product for which they are specified; or (d) are charged and stored at temperatures greater than 60 degrees centigrade. Any of these voids the warranty.
- Products that have: (a) serial numbers or date tags that have been removed, altered or obliterated; (b) board serial numbers that do not match each other, or board serial numbers that do not match the housing; or (c) nonconforming or non-Motorola housings or parts. Any of these voids the warranty.
- Defects or damage that result from: (a) use of the Products in a manner that is not normal or customary; (b) improper operation or misuse; (c) accident or neglect such as dropping the Products onto hard surfaces; (d) contact with water, rain, extreme humidity or heavy perspiration; (e) contact with sand, dirt or the like; or (f) contact with extreme heat, or spills of food or liquid.
- Physical damage to the surface of the Products, including scratches, cracks or other damage to a display screen, lens or other externally exposed parts.

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- Failure of Products that is due primarily to any communication service or signal you may subscribe to or use with the Products.
- Coil cords that are stretched or that have any broken modular tabs.
- Products that are leased.

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

VII. Some Other Limitations

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

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

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

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by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

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

VIII. Patent and Software Provisions

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

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

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

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

IX. State Law and Other Jurisdiction Rights

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

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

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

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USA

Cellular	1-800-331-6456
Paging	1-800-548-9954
Two-Way	1-800-353-2729
TTY (Text Telephone)	1-888-390-6456

Canada

All Products	1-800-461-4575
TTY (Text Telephone)	1-888-390-6456

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

In the USA:
Motorola, Inc.
600 North U.S. Highway 45
Libertyville, IL 60048

In Canada:
Motorola Canada Limited
5875 Whittle Road
Mississauga, ON L4Z 2H4

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Export Law Assurances

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

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MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

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

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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.*

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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.*

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* Wherever wireless phone service is available.

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

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