

**INSTRUCTION MANUAL**

A preliminary draft copy of the Users Manual follows:

**Note:**

Upon FCC approval, the users manual will include the following SAR information for FCC ID: IHDT6BC1.

0.77mW/g (head)

0.56mW/g (body worn)

# **Motorola Timeport 280 Tri-Band Mobile Phone User's Guide**

Interim Draft

March 9, 2001

**This is a preliminary version of the Panther 2 GSM user guide. In particular, color-coded text describes new R1.1 features for which the software is not yet fully developed. Please use this draft as reference only. It is not yet ready for review. If you want to provide feedback, contact John Arminio or Bill Bernie.**

**PRELIMINARY**

# Welcome

---

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola **TIMEPORT** 280 wireless phone.



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

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

[www.motorola.com](http://www.motorola.com)

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Manual number: 9888873L01-0

Cover number: 8988485L01-0










# Menu Map

## Main Menu

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

**Note:** This is the standard menu layout. You or your service provider may have modified the menu structure or changed some feature names. Not all features may be available for all users. For example, the **Radio** feature is displayed only when the FM Stereo Radio Headset accessory is plugged into the accessory connector port on your phone.

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

# Settings Menu



## Ring/Vibrate

- Alert
- *Alert Detail*

## Call Forward

- Voice Calls
- Fax Calls
- Data Calls
- Cancel All
- Forward Status

## Phone Status

- My Tel. Number
- Credit Available
- Credit Info
- Battery Meter
- Phone: Line 1/2
- Other Information

## Connection

- IrDA Link
- Incoming Call

## In-Call Setup

- In-Call Timer
- Call Cost Setup
- My Caller ID
- Talk and Fax
- Answer Options
- Call Waiting

## Security

- Phone Lock
- Lock Keypad
- Lock Application
- Fixed Dial
- Call Barring
- SIM Pin
- New Passwords

## Other Settings

- Personalize
  - Main Menu
  - Keys
  - Greeting
  - Banner
  - Quick Dial
- Initial Setup
  - Time and Date
  - One-Touch Dial
  - Auto Redial
  - Backlight
  - Zoom
  - Scroll
  - Language
  - Preferred Card
  - Battery Save
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- Car Settings
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# About This Guide

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## Using Your Phone's Features

This user guide introduces you to the many features in your Motorola **TIMEPORT** 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.


## 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



> Recent Calls  
> Dialed Calls

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

## Optional Features



Features marked with this label are optional network and/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.

PRELIMINARY

# ***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 \_\_\_\_ MHz to \_\_\_\_ MHz in digital mode.

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

## ***Exposure To Radio Frequency Energy***

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

- United States Federal Communications Commission, Code of Regulations; 47 CFR part 2 sub-part J
- American National Standards Institute (ANSI) / Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992



- Institute of Electrical and Electronic Engineers (IEEE) C95.1-1999 Edition
- National Council on Radiation Protection and Measurements (NCRP) of the United States, Report 86, 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- 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



# ***Safety and General Information***

attachments could damage the phone and may violate FCC regulations.

**Do NOT hold the antenna when the phone is in use.**

Holding the antenna affects call quality and may cause the phone to operate at a higher power level than needed.

## ***Phone Operation***

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

## ***Body-Worn Operation***

To maintain compliance with FCC RF exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a **Motorola-supplied or approved clip, holder, holster, case, or body harness.** Use of non-Motorola-approved accessories may exceed FCC RF exposure guidelines. **If you do not use a body-worn accessory, and are not holding the phone in the normal use position at the ear, ensure the 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](http://www.motorola.com).

## ***Electromagnetic Interference/ Compatibility***

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

## ***Facilities***

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

## ***Aircraft***

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

## ***Medical Devices***

### ***Pacemakers***

The Health Industry Manufacturers Association recommends that a minimum separation of 6 inches (15 centimeters) be

# **Safety and General Information**

maintained between a handheld wireless phone and a pacemaker. These recommendations are consistent with the independent research by, and recommendations of, Wireless Technology Research.

Persons with pacemakers should:

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

## **Hearing Aids**

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



## **Other Medical Devices**

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

## **Safety and General**

### **Use While Driving**

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

When using your phone while driving, please:

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

## **Operational Warnings**

### **For Vehicles With an Air Bag**

Do not place a portable phone in the area over an air bag or in the air bag deployment area. 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.

## ***Blasting Caps and Areas***

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



## **Operational Cautions**

### **Antennas**

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

### **Batteries**

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

ITC01-027

PRELIMINARY

# Getting Started

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## 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 phone 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

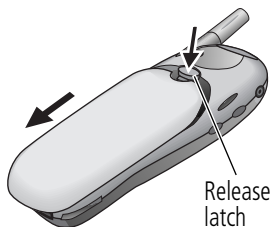
## Installing the SIM Card

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory. It is stored in a recess in the battery compartment.

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

### Do This

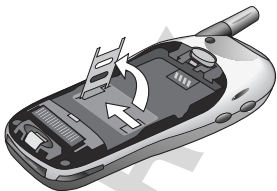
- 1 If the phone's battery door is already in place, push down the battery door release latch, then slide the door down and lift off.



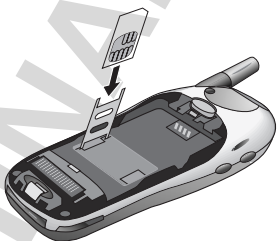


## Do This

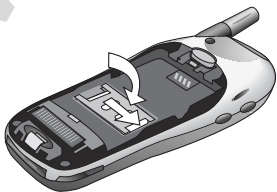
- 2 Slide the SIM card door to the left and lift open.



- 3 Insert the SIM card into the SIM card door with the notch in the upper right corner and the gold plate facing down.



- 4 Close the SIM card door and slide it to the right to lock the SIM card in place.



- 5 Install the battery as described in the following section.

## Installing the Battery

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



# Getting Started

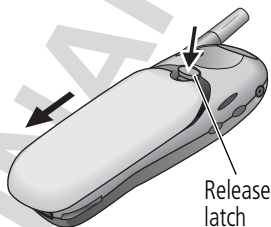


Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

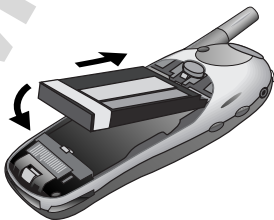
## Do This

1 Remove the battery from its protective clear plastic case.

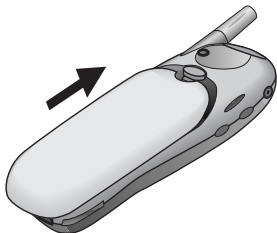
2 If the phone's battery door is already in place, push down the battery door release latch, then slide the door down and lift off.



3 Insert the battery, printed arrow first, into the battery compartment and push down.



4 Replace the battery door, then slide the door up until it clicks into place.

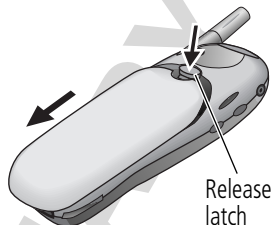




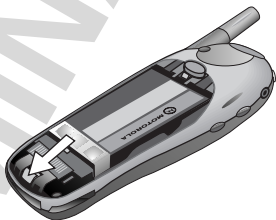
## Removing the Battery

### Do This

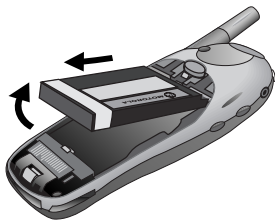
- 1 Push down the battery door release latch, then slide the door down and lift off.



- 2 Pull down the battery release latch.



- 3 Pull up on the battery and remove it from the phone.



## 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.
- 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

- 1 Press and hold  (the power key)

### To

turn on your phone

Power  
key





| Do This  | To   |
|--|--|
| <p>2 If necessary, enter your SIM card PIN code and press <b>OK</b> (↵)</p>      | <p>unlock your SIM card</p> <p>See “Protecting the SIM Card” on page 165.</p> <p><b>Caution:</b> If you enter an incorrect PIN code three times in a row, your SIM card is disabled.</p> |
| <p>3 If necessary, enter your four-digit unlock code and press <b>OK</b> (↵)</p> | <p>unlock your phone</p> <p>The unlock code is originally set to 1234. (For more information, see “Locking and Unlocking Your Phone” on page 162.)</p>                                   |


## Sending a Call

To call a number, your phone must be turned on, [have a SIM card inserted](#), be unlocked, and have a network connection with adequate signal strength.

| Press                   | To  |
|-------------------------|---|
| <p>1 keypad keys</p>    | <p>dial the phone number (up to 32 digits)</p> <p><b>Tip:</b> If you make a mistake, press <b>DELETE</b> (⌫) to delete the last digit, or press and hold <b>DELETE</b> (⌫) to clear all digits.</p> |
| <p>2 (⏪) (send key)</p> | <p>send the call</p>  |

# Getting Started

## Ending a Call

| Press   | To           |
|---|--------------|
|  (end key) | end the call |

---



---

## Receiving a Call

To receive a call, your phone must be turned on, [have a SIM card inserted](#), and have a network connection with adequate signal strength. If your phone is locked, you must unlock the phone to answer the call.

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

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



| Press   | To              |
|---|-----------------|
|  or ANSWER (  ) | answer the call |

---

---

## Displaying Your Phone Number

From the idle display:

| Press   | To                    |
|---|-----------------------|
|   | see your phone number |

---

---




# About Your Phone

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

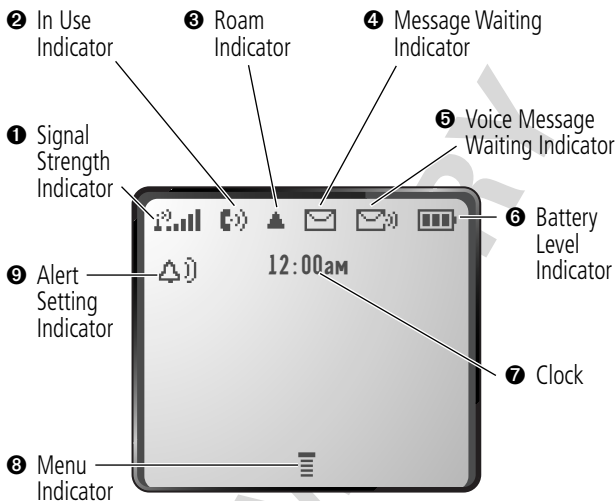
## Display

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 46.

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.

# About Your Phone



**1 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.

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

**3 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.



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



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


**6 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.




**7 Clock** Shows the current time.


**8 Menu Indicator** Indicates that you can press  to open a menu. See “Using the Menu” on page 46.

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

 Loud ring

 Soft ring

 Vibrate

 Ring and vibrate

 Silent



## Changing the Zoom Setting

You can set your phone's display to show either six lines or four lines of text plus soft key labels. Six lines of text display more information, while four 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 70.

## 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 | 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 137.



## 4-Way Navigation Key

4-way navigation key



The 4-way navigation key is a joystick that you use to move through the menu. It lets you adjust feature settings by pressing the key in the desired direction.

**Tip:** Down and up are your primary movements within menus. Right and left are available for shortcuts (advancing through choices), datebook, adjusting settings (such as contrast or key volume), and when entering or editing text.

## 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.

## About Your Phone

- Do not expose batteries to temperatures below  $-10^{\circ}\text{C}$  ( $14^{\circ}\text{F}$ ) or above  $45^{\circ}\text{C}$  ( $113^{\circ}\text{F}$ ). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over extended periods of time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.
- The more you talk on the phone or use phone features (like sending text messages), the less standby time your battery has.



The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type.

Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode.





# ***Sending and Receiving Calls***

---

For basic instructions on how to send a call, end a call, and receive a call, see page 25 of the “Getting Started” section.

## ***Redialing a Number***

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

| <b>Press</b>  | <b>To</b>              |
|---|------------------------|
| 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 makes a number of redial attempts until the call goes through.

| <b>Press</b>  | <b>To</b>  |
|---|--|
| 1  or <b>RETRY</b> (  ) | activate automatic redial<br>When the call goes through, your phone rings or vibrates one time and displays <b>Redial Successful</b> . |

---

# Sending and Receiving Calls

| Press  | To               |
|--|------------------|
| 2  or <b>OK</b> (  ) | connect the call |

You must activate automatic redial in order to use the feature. See the “Auto Redial” item on page 70.

## Caller ID



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

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

## Line Security

If your phone displays **Line Not Secure** while you are on a call, it means that the phone has detected another device monitoring the call.

## 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               |

## 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 76.

## 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 136.



## Terminating an Incoming Call

While the phone is ringing or vibrating:



| Press  | To                       |
|--|--------------------------|
|  or <b>IGNORE</b> (  ) | 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  | call the entry  |



# ***Sending and Receiving Calls***

To make an entry in the phonebook or view an existing entry's speed dial number, see "Storing a Phonebook Entry" on page 82.

## ***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:

| <b>Do This</b>   | <b>To</b>                                    |
|--|--|
| <b>1</b> Store your voicemail number in phonebook location number 1 (see "Storing a Phonebook Entry" on page 82) | enable the <b>1</b> key voicemail shortcut   |
| <b>2</b> Complete the instructions for "Storing Your Voicemail Number" on page 105                               | 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 82.



**Note:** You must specify which phone number list you want to use with this feature: phone memory phonebook, fixed dial list, or SIM card phonebook. See “One-Touch Dial Preference” on page 93.

## Dialing a Number In a Text Message









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

**Note:** You must set up your inbox before opening text messages. See “Setting Up the Text Message Inbox” on page 107.

### Find the Feature

 > Messages  
> Text Msgs

| Press   | To                                    |
|---|---------------------------------------|
| 1                      | scroll to the message with the number |
| 2                      | open the <b>Text Msg Menu</b>         |
| 3                    | scroll to <b>Call Back</b>            |
| 4 <b>SELECT</b> (  ) | 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.

# Sending and Receiving Calls



## 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 <b>0+</b> for two seconds   | insert the international access code for the country from which you are calling  |
| Press <b>MENU</b> and then scroll to and select one of the following: <ul style="list-style-type: none"><li>• <b>Insert Pause</b><br/>(to insert a p)</li><li>• <b>Insert Wait</b><br/>(to insert a w)</li><li>• <b>Insert 'n'</b><br/>(to insert an n)</li></ul> | 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): <ul style="list-style-type: none"><li>• <b>Pause</b> tells your phone to wait until the call connects before it sends the next digit(s) in a series.</li><li>• <b>Wait</b> tells your phone to wait until the call connects, and then to prompt you before it sends the next digit(s).</li><li>• <b>'n'</b> tells your phone to stop and to prompt you for a number before it sends the next digit(s).</li></ul> |



| Do This  | To   |
|--|--|
| Press  > <b>Attach Number</b> | attach a number from the phonebook or recent calls list to the end of the digits you entered |
| Press  > <b>Send Message</b>  | create a text message addressed to the number entered  |

You can also call numbers using these features:

| Do This  | To Call  |
|--|--|
| <p>Press and release the voice key on the right side of your phone and say the entry's name (in two seconds).</p>  <p>Voice key</p> | <p>a phone number using the voice dial feature</p> <p>See "Recording a Voice Name For a Phonebook Entry" on page 84.</p> |
| Press  > <b>Service Dial</b> > <i>entry to call</i>  | a service dial number programmed on the SIM card   |
| Press  > <b>Fixed Dial</b> > <i>entry to call</i>   | a fixed dial number  |
| Press  > <b>Recent Calls</b> > <b>Received Calls</b> or <b>Dialed Calls</b> > <i>entry to call</i>                                | a missed call or a number from a call you recently dialed or received  |

# Using Features While On a Call

---

## Using Call Waiting



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

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

| Press           | To                            |
|-----------------|-------------------------------|
| 1               | answer the new call           |
| 2 <b>SWITCH</b> | switch back to the first call |

---

---

To end the first call and answer the second call:

| Press | To   |
|-------|--|
| 1     | end the current call<br>Your phone rings to signal the new call. |
| 2     | answer the new call  |

---

---









You must activate call waiting in order to use the feature. See the "Call Waiting" item on page 67.



## Making a Conference Call



To talk to more than one person on a call, you can make a conference call. Call the first person, call the second person, then link the two calls.

| Press  | To   |
|--|--|
| 1 keypad keys  | dial the first person's number   |
| 2   | call the number  |
| 3 <b>HOLD</b> (  )<br>(if available)<br><br>or<br> > <b>Hold</b> | put the first call on hold<br>Your phone displays a  (flashing phone) indicator next to the call on hold. |
| 4 keypad keys  | dial the next person's number  |
| 5   | call the number<br>Your phone displays a  (active call) indicator next to the new active call.            |
| 6 <b>LINK</b> (  )   | connect the two calls  |
| 7   | end the entire call  |

## Transferring a Call






While you are on a call, you can transfer the call to another phone by first talking to the person who answers the other phone, or by directly transferring the call.

# Using Features While On a Call

## Announce the Call Transfer


You can talk to the person who answers the other phone before you transfer the call, to tell them whom you are transferring.

**Find the Feature**  > **Hold**


| Press   | To  |
|---|---|
| 1 keypad keys   | enter the phone number where you are transferring the call  |
| 2                    | dial the phone number<br>Speak to the person who answers the target phone.                                      |
| 3                    | open the menu   |
| 4                    | scroll to <b>Transfer</b>   |
| 5 <b>SELECT</b> (  ) | select <b>Transfer</b>  |
| 6 <b>OK</b> (  )     | confirm the transfer<br>Your phone displays the message <b>Transfer: Complete</b> when the call is transferred. |

## Do Not Announce the Call Transfer

You can directly transfer a call without talking to the person who answers.







**Find the Feature**  > **Transfer**



| Press   | To   |
|---|--|
| 1 keypad keys   | enter the phone number where you are transferring the call   |
| 2  | dial the phone number<br>Your phone displays the message <b>Transfer: Complete</b> when the call is transferred. |

## Additional On-Call Features

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

| Do This  | To  |
|--|---|
| Press <b>HOLD</b> (  )<br>(if available)<br><br><b>or</b><br>Press  > <b>Hold</b>              | put a call on hold<br>Your phone displays a <br>(flashing phone) indicator to indicate that the call is on hold. |
| Press <b>SPEAKER</b> (  )<br>(if available)<br><br><b>or</b><br>Press  > <b>Spkrphone On</b> | activate an attached speakerphone<br>(hands-free mode)  |
| Press  > <b>My Tel. Number</b>  | see your phone number   |



# Using the Menu


---

## Navigating to a Feature

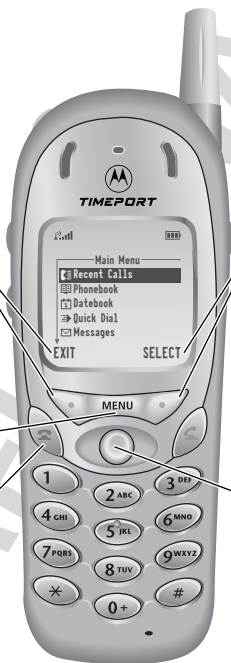
You can access many of your phone's features by using these keys to move through the menu system:

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

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

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

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




**4-Way Navigation Key**  
Scroll up or down through menus and lists. Scroll left and right to cycle through and set the value of the highlighted menu item.



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

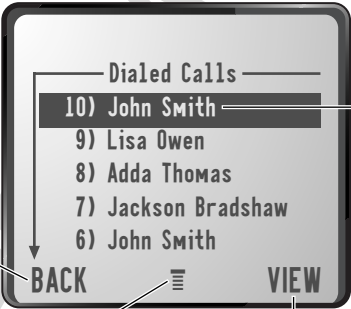
## Find the Feature


 > Recent Calls  
> Dialed Calls


The > symbol means that you should scroll to and select the feature. This example shows that you must press , 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:



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

A sub-menu is available. Press  to open the sub-menu.

Press **VIEW** () to view details of the highlighted item. **STORE** () appears if you can store the item in your phonebook.

Highlighted item

# Using the Menu

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

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

## Entering Feature Information

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

Press **◀◊▶** to scroll down to additional items.

Entry Details

Name: John Smith

No. : 2125551212

Type: Work

Voice Name :

Speed No. : 2

CANCEL CHANGE

Highlighted item

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

Press **CHANGE** (⏏) to edit the selected information.



- Enter numbers or text with the keypad. (See “Entering Text” on page 51.)
- When an item has a list of possible values, press to the left or right 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 to exit without saving.

The message center lets you compose and send text messages. (See “Entering Text” on page 51.) A *flashing cursor* shows you where the text will appear:

*Flashing cursor* indicates insertion point.

Msg:

CANCEL BROWSE

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.

## Using the 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.

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

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



## Entering Text

### General Text Entry Rules

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



Press joystick up or down to move flashing cursor up or down one line in text message, or change character in block cursor to uppercase or lowercase.

Press joystick left or right to move flashing cursor to the left or right in text message.

# Using the Menu

- If you do not press a key for two seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- The first character of every sentence is capitalized unless you manually override it. (Hold the number key or press  $\diamond$  down to force the character to lowercase while it is highlighted by the block cursor.)

## Character Chart

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


|        |  |
|--------|--|
| ①      | space . 1 ? ! , @ & : ; " - ( ) ' ` i % £ \$ ¥ ¤ |
| 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 β Σ                                  |
| ⑧ TUV  | t u v 8 Θ ü ù                                    |
| ⑨ WXYZ | w x y z 9 Ξ Ψ                                    |
| ⑩ +    | + - 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.

## Activating and Deactivating iTAP Software

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

When you are finished using iTAP software, press  again from any text entry screen and select **TAP Method** to reset your phone to use the standard text entry method described on pages 51 and 52.



## Entering Words




To enter a word:

| Do This                              | To   |
|--------------------------------------|--|
| 1 Press a keypad key once            | enter the first letter of the word<br>The letters associated with the key you pressed are shown at the bottom of the display.  |
| 2 Press keypad keys (one per letter) | enter the rest of the word<br>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. |



# Using the Menu


| Do This  | To   |
|--|--|
| 3 When you have entered all the letters of the word, press  | locate and highlight the word you want   |
| 4 Press <b>SELECT</b>                                       | add the highlighted word to the text area at the top of the display<br>A space is automatically inserted after the word. |

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

*Flashing cursor indicates insertion point.*



Press **DELETE**  to clear the last letter entered.

Press  to scroll and see additional word choices.

Press **SELECT**  to insert the highlighted word at the insertion point.



## Entering 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 <b>DELETE</b> (🗑️) one or more times                     | delete one or more letters until you see a letter combination that matches the start of the word |
| 2 Press ⬅️   | highlight the letter or letter combination   |
| 3 Press <b>SELECT</b> (👁️), then press ⬅️ to the left            | shift the text entry cursor to the left and “lock” the selected portion of the word              |
| 4 Continue entering letters and highlighting letter combinations | spell the word   |


## Punctuation

The iTAP software automatically adds a space after each word. When you enter punctuation, this space is removed. To 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   |
|--|--|
| 5  up or down | change the words to initial character capitalized, all uppercase characters, or all lowercase characters |

---

---

## Entering 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 keypad keys   | add digits to the number                   |
| 3 Press <b>SELECT</b> (  ) | enter the number at the insertion point    |



---

---



## Deleting Letters and Words

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

| Do This  | To                          |
|--|-----------------------------|
| Press <b>DELETE</b> (  )            | delete one letter at a time |
| Continue to hold <b>DELETE</b> (  ) | 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.

## Main Menu

### RECENT CALLS

#### **Received Calls**



> Recent Calls  
> Received Calls

View a list of recently received calls. See "Viewing the Received Calls or Dialed Calls List" on page 73.

#### **Dialed Calls**



> Recent Calls  
> Dialed Calls

View a list of recently dialed calls. See "Viewing the Received Calls or Dialed Calls List" on page 73.



## Notepad

 > 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 76.

## Call Times

 > Recent Calls  
> Call Times

View call timers that track time spent on your last call, dialed calls, received calls, all calls since reset, and all calls total. See “Call Times and Costs” on page 77.

## Call Cost

 > Recent Calls  
> Call Cost

View call cost information. Your network may provide current credit information, and can provide cost information about the amount spent on your last call, dialed calls, received calls, and all calls total. See “Call Times and Costs” on page 77.

## SERVICE DIAL

 > Service Dial

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



## FIXED DIAL

 > Fixed Dial

Dial or edit numbers in the fixed dial list.

When you activate the fixed dial feature, users can only call the numbers in the fixed dial list. To activate fixed dial, see the “Fixed Dial” item on page 68.

# Menu Feature Descriptions

Fixed dial list entries can be any length. If there is a fixed dial entry for the digits 555, users can call any number that starts with 555.

You must enter your SIM PIN2 code to edit fixed dial entries. In the fixed dial list, you can create, edit, delete, and sort entries just like with the phonebook list. Fixed dial list entries are stored on your SIM card and do not have **Type** or **Voice Name** fields.

**Note:** Employers can use fixed dial to limit employees' phones to a predefined list of numbers, country codes, or other prefixes.

## PHONEBOOK

 > Phonebook

Store names and numbers as entries in your phonebook, then call numbers by selecting them from the phonebook list. See "Phonebook" on page 81.

## DATEBOOK

 > Datebook

Use the datebook calendar to schedule and review your appointments. See "Datebook" on page 94.

## QUICK DIAL

 > Quick Dial

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

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





## RADIO

 > Radio

Listen to FM radio stations with the optional Motorola Original™ FM Stereo Radio Headset accessory. This menu feature is displayed only when the FM Stereo Radio Headset is plugged into the accessory connector port on your phone. See “Radio” on page 101.



## MESSAGES

 > Messages

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



### **Voicemail**

Listen to your recorded voice messages. See “Messages—Voicemail” on page 105

### **Text Msgs**

Send and receive text messages. See “Messages—Text” on page 107

### **Browser Alerts**

Read alert messages received by your micro-browser

### **Quick Notes**

Select and send pre-written messages from the quick notes list

### **Outbox**

View all outgoing text messages, delivered and undelivered

### **Drafts**

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

## SHORTCUTS

 > Shortcuts

Create keypad or voice shortcuts to menu features. See “Shortcuts” on page 115.



# Menu Feature Descriptions

## VOICE NOTES



### > Voice Notes

Use the voice key to record messages and phone calls. See "Voice Notes" on page 119.

## SIM APPLICATIONS



### > SIM Applications

Access information and applications stored on your SIM card.

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



## BROWSER



### > Browser

Access Web pages and run Web-based applications. The micro-browser delivers WAP (Wireless Application Protocol) pages from your service provider directly to your phone. See "Micro-Browser" on page 126.



## CALCULATOR



### > Calculator

Use your phone as a calculator or currency converter. See "Calculator" on page 128.

## GAMES



### > Games

Play games on your phone. See "Games" on page 131.



## Settings Menu

### RING/VIBRATE

#### **Alert**

 > Settings  
> Ring/Vibrate  
> Alert

Select a type of ring or vibration alert for incoming calls and messages. See “Ring/Vibrate” on page 136.

#### **Alert Detail**

 > 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 136.

### CALL FORWARD

 > Settings  
> Call Forward

Set options for forwarding incoming voice, data, and/or fax calls to another phone number. See “Call Forwarding” on page 143.

### PHONE STATUS

#### **My Tel. Number**

 > Settings  
> Phone Status  
> My Tel. Number

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

#### **Credit Available**

 > Settings  
> Phone Status  
> Credit Available

Advice-of-charge users can view the credit available.

# Menu Feature Descriptions

## Credit Info

-  > Settings
- > Phone Status
- > Credit Info



Prepay users can view current credit information.

If you use a prepay option, you can view the credit available, its expiration date, and the date of the last deposit.

## Battery Meter

-  > Settings
- > Phone Status
- > Battery Meter

View a detailed battery charge meter.

## Phone: Line 1/2

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



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

## Other Information

-  > Settings
- > Phone Status
- > Other Information

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

## CONNECTION

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 151.





## **IrDA Link**

 > Settings > Connection  
> IrDA Link

Set up a wireless infrared connection. See “Establish an Infrared Connection” on page 153.

## **Incoming Call**

 > 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 156.

## **IN-CALL SETUP**

Set the features that are active during a call, such as the in-call timer, [cost trackers](#), [call waiting](#), and call answering options.

## **In-Call Timer**

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

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

### **Time**

Display the elapsed time for the current call

### **Cost**

Display the cost of the current call (if you subscribe to call cost features or advice-of-charge)

# Menu Feature Descriptions

**Total Cost** Display the cost of all calls since the last time you reset the timer (if you subscribe to call cost features or advice-of-charge)

**Credit Available** Display how much credit you have left (if you subscribe to call cost features or advice-of-charge)

**Off** No in-call timer display

## **Call Cost Setup**

 > **Settings**  
> **In-Call Setup**  
> **Call Cost Setup**

Adjust call cost settings.

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

Your phone network expresses cost in the amount of units used, but this feature lets you tell your phone how to translate the units to a currency.

## **My Caller ID**

 > **Settings**  
> **In-Call Setup**  
> **My Caller ID**

Activate and deactivate the display of your phone number as an ID when you call someone.

## **Talk and Fax**

 > **Settings**  
> **In-Call Setup**  
> **Talk and Fax**


Activate and deactivate the talk/fax service.



Use this feature prior to making a call when you want to talk and then send or receive a fax—all to the same phone number and within the same call.

You can also use the talk then fax feature to send a fax during a call. See “Sending a Talk then Data or Talk then Fax Call” on page 159.

## **Answer Options**

 > Settings  
> In-Call Setup  
> Answer Options

Turn call answering options on or off:

**Multi-Key**      Answer by pressing any key

## **Call Waiting**

 > Settings  
> In-Call Setup  
> Call Waiting



Activate and deactivate call waiting.

When call waiting is activated and another call arrives while you are on a call, call waiting can play a tone to notify you of the new call. See “Using Call Waiting” on page 42.

## **SECURITY**

### **Phone Lock**

 > Settings > Security  
> Phone Lock

Lock and unlock your phone. See “Locking and Unlocking Your Phone” on page 162.

### **Lock Keypad**

 > Settings > Security  
> Lock Keypad

Lock and unlock your keypad. See “Locking and Unlocking Your Keypad” on page 164.

# Menu Feature Descriptions

## **Lock Application**

 > Settings > Security  
> Lock Application

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

## **Fixed Dial**

 > Settings > Security  
> Fixed Dial

Restrict outgoing calls to numbers on the fixed dial list. See “Fixed Dial” on page 59.

## **Call Barring**

 > Settings > Security  
> Call Barring

Restrict incoming and outgoing calls. See “Barring Calls” on page 164.

## **SIM PIN**

 > Settings > Security  
> SIM PIN

Switch protection on and off, so users must enter the SIM PIN code when they turn on the phone or insert a SIM card. See “Protecting the SIM Card” on page 165.

## **New Passwords**

 > 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 160.



## OTHER SETTINGS

### **Personalize**

 > Settings  
> Other Settings  
> Personalize

Set several personal phone options:

**Main Menu** Change the order of the main menu. (See "Reordering Menu Items" on page 146.)

**Keys** Change the functions of the soft keys in the idle display. (See "Customizing a Soft Key Function" on page 146.)

**Greeting** Change the text displayed when you turn on your phone

**Banner** Change the text that appears in the idle display

**Quick Dial** Change quick dial number(s)

### **Initial Setup**

 > Settings  
> Other Settings  
> Initial Setup

Set many basic phone options:

**Time and Date** Set the phone's time and date

**One-Touch Dial** Assign the one-touch dial feature to numbers 2 through 9 in your phone memory phonebook, fixed dial list, or SIM card phonebook. (See "One-Touch Dial Preference" on page 93.)



# Menu Feature Descriptions

|                         |  |
|-------------------------|--|
| <b>Auto Redial</b>      | Automatically redial calls that fail due to busy network conditions. (See "Using Automatic Redial" on page 33.)                |
| <b>Backlight</b>        | Set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power              |
| <b>Zoom</b>             | Switch between six lines ( <b>Zoom Out</b> ) and four lines ( <b>Zoom In</b> ) of display text                                 |
| <b>Scroll</b>           | Force the cursor to stop or wrap around when it reaches the top or bottom of a list in the display                             |
| <b>Language</b>         | Set the language for phone menus   |
| <b>Preferred Card</b>   | Set the preferred SIM card   |
| <b>Battery Save</b>     | Adjust the phone's power usage characteristics to conserve power   |
| <b>Contrast Setting</b> | Adjust the contrast setting for your display   |
| <b>Master Reset</b>     | Reset all options back to their original factory settings <i>except</i> 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 *except for information on the SIM card*

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

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

## Car Settings

-  > Settings
- > Other Settings
- > Car Settings



Adjust hands-free car kit settings.

You can set your phone to route calls directly to the car kit when it detects a connection, and automatically answer calls after two rings. See "Hands-Free Use" on page 147.

## Headset



- > Settings
- > Other Settings
- > Headset



Set your phone to automatically answer calls after two rings when connected to a headset. See "Hands-Free Use" on page 147.

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 [and costs](#).

## Viewing the Received Calls or Dialed Calls List

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







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

To open the recent calls menu:

**Find the Feature** > Recent Calls



| Press           | To   |
|-----------------|--|
| 1               | scroll to <b>Received Calls</b> or <b>Dialed Calls</b> |
| 2 <b>SELECT</b> | select <b>Received Calls</b> or <b>Dialed Calls</b>    |

# Recent Calls

| Press   | To   |
|---|--|
| 3  | scroll to an entry you want to call, store, or delete  |
| <b>Note:</b> ✓ means the call connected.  |  |
| 4  | call the entry's number  |
| or  |  |
|    | view the entry's details if <b>View</b> appears above the  key, or store the entry's details in the phonebook if <b>Store</b> appears above the  key |
| or  |  |
|    | open the <b>Last Calls Menu</b> to perform other procedures as described in the following list   |




The **Last Calls** Menu includes the following options:

| Option   | Description   |
|--|---|
| <b>Store</b>                                   | Create a phonebook entry with the selected number in the <b>No.</b> field. (This option is not available if <b>STORE</b> appears above the  key, or if the number is already stored as a phonebook entry.) |
| <b>Delete</b>                                  | Delete the entry. (This option is not available if <b>DELETE</b> appears above the  key.)  |
| <b>Delete All</b>                              | Delete all entries in the current list.   |
| <b>Hide ID/Show ID</b>                         | Hide (or show) your caller ID for the next call.  |
| <b>Send Message</b>                            | Create a new text message, with the selected number in the <b>Te1 No.</b> field. See “Sending a New Text Message” on page 111.  |
| <b>Add Digits</b>                              | Add digits to the end of the selected number.   |
| <b>Attach Number</b>                           | Attach another number from the phonebook or recent calls list to the end of the selected number.  |
| <b>Talk then Fax<br/>or<br/>Talk then Data</b> | Tell the network you want to call and talk to someone, and then send data or a fax—all to the same number in the same call. See “Sending a Talk then Data or Talk then Fax Call” on page 159.   |

## 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.

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

### Find the Feature



> Recent Calls  
> Notepad

### Press



### To

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 82.


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## Call Times and Costs

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

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

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


You can view the approximate network connection time elapsed and cost incurred 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.               |



# Recent Calls

Your phone network can provide the following cost information:

| Cost Tracker            | Description   |
|-------------------------|---|
| <b>Credit Available</b> | <p>Amount of your credit remaining.</p>  <p>For GSM advice of charge, this is only available if you set a credit limit.</p> <p><b>Note:</b> Your phone receives cost information from the GSM advice of charge feature or third-party prepay software.</p> |
| <b>Expiration Date</b>  | Date that the available credit expires (only available with third-party software).  |
| <b>Last Deposit</b>     | Amount of the last deposit (only available with third-party software).  |
| <b>Last Call</b>        | Amount spent on the last call you dialed or received. You cannot reset this cost tracker.   |
| <b>Dialed Calls</b>     | Amount spent on calls you dialed since the last time you reset this cost tracker.   |
| <b>Received Calls</b>   | Amount spent on calls you received since the last time you reset this cost tracker.   |



| Cost Tracker     | Description  |
|------------------|--|
| <b>All Calls</b> | <p>Amount spent on all dialed and received calls since the last time you reset this cost tracker.</p> <p>You can reset this value separate from <b>Dialed Calls</b> and <b>Received Calls</b>, so <b>Dialed Calls</b> plus <b>Received Calls</b> may not equal <b>All Calls</b>.</p> |

## Viewing and Resetting Call Times **and** Costs

To view a call timer or cost tracker:

### Find the Feature



> Recent Calls

| Press             | To  |
|-------------------|---|
| 1                 | scroll to <b>Call Times</b> or <b>Call Cost</b> |
| 2 <b>SELECT</b> ( | open the list of timers or cost trackers        |
| 3                 | scroll to the timer or cost tracker you want    |
| 4 <b>SELECT</b> ( | view the recorded time or cost                  |

# Recent Calls

To reset the call timer or cost tracker:

| Press  | To  |
|--|---|
| <b>1</b> RESET (👁️)                                      | reset the time or cost (if available)     |
| <b>2</b> <i>for a timer:</i><br>YES (👁️)                 | confirm the reset                         |
| <i>for a cost tracker:</i><br>keypad keys and<br>OK (👁️) | enter your PIN2 code to confirm the reset |

PRELIMINARY

# Phonebook



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

To see the list of names stored in your phonebook, press **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

The diagram shows a mobile phone screen displaying a phonebook entry for 'Carlo Emrys'. The entry includes a type indicator (a calendar icon), the name 'Carlo Emrys', a phone number '01543372151410', and a speed dial number 'Speed No. 15#'. A '(P)' symbol is next to the speed dial number. The screen has three buttons at the bottom: 'BACK', a menu icon, and 'EDIT'. A legend on the left lists phone types: Work, Home, Main, Mobile, Fax, and Pager. A legend on the right explains the '(P)' and '(S)' symbols.

Voice Name indicator indicates a recorded voice name

Entry's Name

Entry's phone number

Type indicator identifies number type:

- Work
- Home
- Main
- Mobile
- Fax
- Pager

Entry's speed dial number

(P) indicates entry stored in phone memory. (S) indicates entry stored in SIM memory.

Return to list

Press **MENU** to open the **Phonebook Menu**

Edit entry

**Note:** Numbers stored on the SIM card do not have **Type** or **Voice Name** information.

## Storing a Phonebook Entry

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

**Shortcut:** Enter a phone number in the idle display, then press **STORE** (☑) to create a phonebook entry with the number in the **No.** field. Go directly to step 1 in the following procedure to enter additional information and store the entry.

**Note:** You can also use the following procedure to store a fixed dial entry by scrolling to and selecting **Fixed Dial**1.

## Enter Information

### Find the Feature

 > Phonebook  
 > New

| Press               | To   |
|---------------------|--|
| 1 <b>CHANGE</b> (☑) | select <b>Name</b>   |
| 2 keypad keys       | enter a name for the phonebook entry (See "Entering Text" on page 51.) |
| 3 <b>OK</b> (☑)     | store the name   |
| 4 <b>CHANGE</b> (☑) | select <b>No.</b>  |
| 5 keypad keys       | enter the phone number   |



| Press  | To  |
|--|---|
| 6 OK (↵)   | store the phone number  |
| 7 CHANGE (↵)   | select <b>Type</b> <i>(not available for entries stored on a SIM card)</i>  |
| 8 ⬅➡   | scroll to the type of phone number  |
| 9 SELECT (↵)   | select the number type  |
| 10 RECORD (↵)<br>or<br>Go to step 11 if you do not want to record a voice name for the entry | record a voice name for the entry, if desired <i>(not available for entries stored on a SIM card)</i><br>See "Recording a Voice Name For a Phonebook Entry" on page 84. |
| 11 ⬅➡  | scroll to <b>Speed No.</b> , the number to "speed dial" the entry<br>The next available speed dial number is assigned to a new phonebook number by default.             |
| 12 CHANGE (↵)  | select <b>Speed No.</b> if you want to change it  |
| 13 keypad keys   | enter a different speed number, if desired  |
| 14 OK (↵)  | save the modified speed number<br>If your chosen speed number is already assigned to another entry, you are asked if you want to replace that entry.                    |

Press

15 SELECT (👁)

To

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

DONE (👁)

To

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 86).

**Note:** You cannot record a voice name for an entry stored on a SIM card.



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

## Find the Feature



> Phonebook

| Do This   | To  |
|---|---|
| 1 Press   | scroll to the entry that needs a voice name   |
| 2 Press <b>VIEW</b> (   | display the entry's detailed view   |
| 3 Press <b>EDIT</b> (   | edit the phonebook entry  |
| 4 Press   | scroll to <b>Voice Name</b>   |
| 5 Press <b>RECORD</b> (   | begin the recording process<br>The phone displays <b>Press Voice key then say name.</b> |
| 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<br>The phone displays <b>Press Voice Key then REPEAT name.</b>    |
| 7 Press the voice key and repeat the name   | confirm the voice name<br>The phone displays <b>Trained: Voice Name.</b>                |



## Dialing a Phonebook Entry

You can use the phonebook list, voice dial, speed dial, or one-touch dial to call the numbers stored in your phonebook. To use speed dial, see “Dialing With Speed Dial” on page 37. To use one-touch dial, see “Dialing With One-Touch Dial” on page 38.

## Phonebook List

To call a number from the phonebook list:

### Find the Feature



> Phonebook

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

## Voice Dial




To call a number 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, plays back the voice name stored with the phonebook entry, waits two seconds, then automatically dials the call. |



## Editing a Phonebook Entry

**Find the Feature**  > Phonebook






| Press   | To                                   |
|---|--------------------------------------|
| 1              | scroll to the entry you want to edit |
| 2 <b>VIEW</b>  | display the entry's detailed view    |
| 3 <b>EDIT</b>  | edit the phonebook entry             |

Edit a phonebook entry by following the procedures described in "Storing a Phonebook Entry" on page 82.

## Deleting a Phonebook Entry

To delete a phonebook entry:

**Find the Feature**  > Phonebook

| Press   | To                                     |
|---|--|
| 1                 | scroll to the entry you want to delete |
| 2                | open the <b>Phonebook Menu</b>         |
| 3                | scroll to <b>Delete</b>                |
| 4 <b>SELECT</b>  | select <b>Delete</b>                   |
| 5 <b>YES</b>     | confirm the deletion                   |

## Copying Phonebook Entries to a SIM Card

You can copy one or more entries from your phonebook list to a SIM card. This lets you free up infrequently used speed dial numbers.

**Note:** The SIM card cannot store **Type** and **Voice Name** data for entries. If you try to copy an entry with a type or voice name to the SIM card, the phone asks you for confirmation before dropping this information and copying the entry.

### Copy a Single Entry

To copy a single phonebook entry from your phone to your SIM card:

#### Find the Feature



> Phonebook

| Press              | To   |
|--------------------|--|
| 1                  | scroll to the entry you want to copy   |
| 2                  | open the <b>Phonebook Menu</b>   |
| 3                  | scroll to <b>Copy Entry</b>  |
| 4 <b>SELECT</b> () | select <b>Copy Entry</b><br>The phone displays the <b>Copy To</b> dialog, with the next available speed dial number. |



| Press         | To  |
|---------------|---|
| 5 keypad keys | edit the speed dial number, if necessary<br><br>Change the speed dial number in the <b>Copy To</b> dialog by entering a new number on the keypad. |
| 6 OK (✓)      | approve the copy to the speed dial number<br><br>The phone displays the <b>Stored</b> notification. You can now delete the old phonebook entry.   |

## Copy Multiple Entries

To copy multiple phonebook entries from your phone to your SIM card:

### Find the Feature



> Phonebook

| Press        | To   |
|--------------|--|
| 1            | open the <b>Phonebook Menu</b>   |
| 2            | scroll to <b>Copy Entries</b>  |
| 3 SELECT (✓) | select <b>Copy Entries</b><br><br>The phone displays the <b>Copy Entries</b> dialog. |
| 4            | scroll to <b>From (start)</b>  |
| 5 CHANGE (✓) | select <b>From (start)</b>   |

# Phonebook

| Press              | To  |
|--------------------|---|
| 6 keypad keys      | enter the first (lowest) speed dial number in the range of entries that you want to copy                      |
| 7 OK (OK)          | store the number and return to the <b>Copy Entries</b> dialog   |
| 8 ⬅️➡️             | scroll to <b>From (end)</b>   |
| 9 CHANGE (CHANGE)  | select <b>From (end)</b>  |
| 10 keypad keys     | enter the last (highest) speed dial number in the range of entries that you want to copy                      |
| 11 OK (OK)         | store the number and return to the <b>Copy Entries</b> dialog   |
| 12 ⬅️➡️            | scroll to <b>To</b>   |
| 13 CHANGE (CHANGE) | select <b>To</b>  |
| 14 keypad keys     | enter the first (lowest) new speed dial number for the entries' new location                                  |
| 15 OK (OK)         | store the number and return to the <b>Copy Entries</b> dialog   |
| 16 DONE (DONE)     | copy the entries<br>The phone displays the <b>Copied Entries</b> message. You can now delete the old entries. |



## Checking Phonebook Capacity

You can check your phonebook's capacity to see how many entries you have used and how many more are available. Since you can store phonebook entries on both your phone and your SIM card, you can check either your phone's capacity or your SIM card's capacity.

To check the phonebook capacity for your phone or SIM card:

### Find the Feature



> Phonebook

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

## Synchronizing with TrueSync Software



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

## Setting Up the Phonebook

You can specify the sort order for your phonebook entries and the location of your one-touch dial entries.

### Phonebook List Sort Preference

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

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

#### Find the Feature



> Phonebook

| Press             | To                             |
|-------------------|--------------------------------|
| 1                 | open the <b>Phonebook Menu</b> |
| 2                 | scroll to <b>Setup</b>         |
| 3 <b>SELECT</b> ( | select <b>Setup</b>            |
| 4                 | scroll to <b>Sort by</b>       |
| 5 <b>CHANGE</b> ( | select <b>Sort by</b>          |
| 6                 | scroll to the entry you want   |
| 7 <b>SELECT</b> ( | select the entry you want      |










## One-Touch Dial Preference

Your phone lets you specify whether your one-touch dial entries are located in the phone memory, the fixed dial list, or your SIM card:

### Find the Feature



> Phonebook

| Press   | To   |
|---|--|
| 1                | open the <b>Phonebook Menu</b>   |
| 2                | scroll to <b>Setup</b>   |
| 3 <b>SELECT</b>  | select <b>Setup</b><br><br>The phone displays the <b>Phonebook Setup</b> form. |
| 4                | scroll to <b>One-Touch Dial</b>  |
| 5 <b>CHANGE</b>  | select <b>One-Touch Dial</b>   |
| 6                | scroll to the list you want  |
| 7 <b>SELECT</b>  | select the list you want   |



# Datebook

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

## Find the Feature

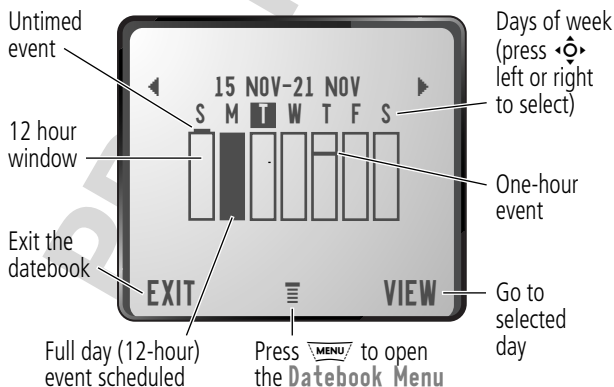


> Datebook

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.





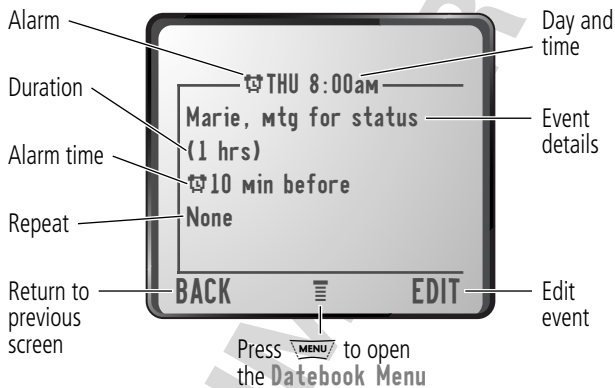
## Day View

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.









## Storing a New Event

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

### Find the Feature

 > **Datebook** > *day*  
 > **New**

See “Selecting a Feature Option” on page 47 for instructions on scrolling to and selecting options.

| Press   | To  |
|---|---|
| 1 <b>CHANGE</b> (  ) | select <b>Title</b>   |
| 2 keypad keys   | enter a title for the event (see “Entering Text” on page 51.)   |
| 3 <b>OK</b> (  )     | store the event title   |
| 4                    | scroll to other fields and enter information as necessary<br><br>Other fields let you enter start time, duration, date, repeating events, and reminder alarm. |
| 5 <b>DONE</b> (  ) | store the new event and return to the day view  |

## Changing Event Information

To change information about an existing event:

### Find the Feature



> Datebook

| Press           | To   |
|-----------------|--|
| 1  or           | scroll to the scheduled event day                |
| 2 <b>VIEW</b>   | display the day view                             |
| 3               | scroll to the event you want to change           |
| 4 <b>VIEW</b>   | display the event view                           |
| 5 <b>EDIT</b>   | edit the event                                   |
| 6               | scroll to the detail you want to change          |
| 7 <b>CHANGE</b> | edit the information                             |
| 8 keypad keys   | enter the new information                        |
| 9 <b>DONE</b>   | store the information and return to the day view |



## Copying an Event

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

### Find the Feature
















> Datebook

| Press             | To   |
|-------------------|--|
| 1                 | scroll to the scheduled event day  |
| 2 <b>VIEW</b> (   | display the day view   |
| 3                 | scroll to the event to copy  |
| 4                 | open the <b>Datebook Menu</b>  |
| 5                 | scroll to <b>Copy</b>  |
| 6 <b>SELECT</b> ( | copy the event   |
| 7 <b>YES</b> (    | confirm the copy   |
|                   | Your phone assumes that you want to change the date, and displays the <b>Date</b> field. |
| 8 keypad keys     | enter the date information   |
| 9                 | move to the month, day, and year   |
| <b>or</b>         |  |
| to the right      |  |
| 10 <b>DONE</b> (  | save the copy of the event   |
| 11 <b>DONE</b> (  | return to the day view   |

## Deleting an Event

### Find the Feature

 > Datebook

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

# 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                        |
|------------------|---------------------------|
| <b>Radio</b> (📶) | turn the radio on and off |

Alternatively, you can use the following procedure:

| Press                             | To                       |
|-----------------------------------|--------------------------|
| 1 📶                               | open the menu            |
| 2 📶                               | scroll to <b>Radio</b>   |
| 3 <b>On</b> (📶) or <b>Off</b> (📶) | 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

To tune a radio station with the radio on:

| Do This  | To   |
|--|--|
| Press           | scroll up or down to the next frequency                |
| <b>or</b>  |  |
| Press and hold  | scroll up or down to the next available stereo station |

## Storing a Preset

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

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

## Selecting a Preset

To select a preset radio station:

| Press   | To  |
|---|---|
| a number key (  to  ) | 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:


| <b>Do This</b>  | <b>To</b>   |
|---|---|
| Press <b>IGNORE</b> (👁️)  | ignore the call   |
| Press <b>ANSWER</b> (👁️)<br><b>or</b><br>Press the button on the FM Stereo Radio Headset microphone | answer the call<br><b>Note:</b> You can use the FM Stereo Radio Headset microphone to converse with the other party during a call |

To end the call and resume the FM broadcast:

| <b>Do This</b>  | <b>To</b>    |
|---|--------------|
| Press (📞)<br><b>or</b><br>Press and hold the button on the FM Stereo Radio Headset microphone | end the call |

## Radio

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  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 73.

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



> Messages



> 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 143.)

# Messages—Voicemail

From the new message notification:

| Do This               | To   |
|-----------------------|--|
| Press <b>CALL</b> (📞) | 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**



> Messages > VoiceMail

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



# Messages – Text



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

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

## Setting Up the Text Message Inbox

### Find the Feature



> Messages



> Text Msg Setup

| Press           | To  |
|-----------------|---|
| 1               | scroll to <b>Srvce Center No.</b>   |
| 2 <b>CHANGE</b> | change the <b>Srvce Center No.</b> which is provided by your service provider     |
| 3 keypad keys   | enter the phone number for the service center that handles your outgoing messages |
| 4 <b>OK</b>     | store your service center number  |
| 5 <b>CHANGE</b> | change the <b>Expire After</b> period   |


# Messages—Text

| Press                 | To   |
|-----------------------|--|
| 6 keypad keys         | enter the expiration period—the number of days your network tries to send unreceived messages                |
| 7 OK (↵)              | store the expiration period  |
| 8 CHANGE (↵)          | change the <b>Reply Type</b>   |
| 9 ⬅️➡️                | scroll to the <b>default</b> type of replies you want to send— <b>text messages, faxes, or other formats</b> |
| 10 SELECT (↵)         | store the reply type   |
| 11 CHANGE (↵)         | change the <b>Cleanup</b> setting  |
| 12 ⬅️➡️               | scroll to the period of time that messages stay in your inbox  |
| 13 SELECT (↵)         | select the cleanup period<br>If you select <b>Custom</b> , continue. Otherwise, the procedure is complete.   |
| 14 ⬅️➡️               | change the entry for the number or label   |
| 15 ⬅️➡️ left or right | switch between the number and the label  |
| 16 DONE (↵)           | store the custom cleanup period after you finish entering all information                                    |



## Receiving a New 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 143.)

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

From the new message notification:

**Press**

READ 

**To**

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.



# Messages—Text

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



> Messages > Text Msgs

| Press           | To   |
|-----------------|--|
| 1               | scroll to the message you want<br>( = unread and urgent,<br>= read,  = read and locked)      |
| 2 READ ()       | open the message   |
| 3 SAVE ()       | close the message without changes  |
| or<br>DELETE () | delete the message   |
| or<br>          | open the <b>Text Msg Menu</b> 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.                  |



| Option                     | Description  |
|----------------------------|--|
| Reply                      | Open a new text message, with the message's <b>Reply To</b> number in the <b>To</b> field. |
| Forward                    | Open a copy of the text message, with an empty <b>To</b> field                             |
| Lock/Unlock                | Lock or unlock the message.  |
| Delete<br>or<br>Delete All | Delete the message or all inbox messages.<br>Press <b>Yes</b> (☑) to confirm the deletion. |
| Store Number               | Open a new phonebook entry with the message's embedded number in the <b>No.</b> field.     |
| Create Message             | Open a new text message form.  |
| Setup                      | Open the inbox setup menu.   |

## Sending a New Text Message

To create and send a new text message:

### Find the Feature



> Messages > Text Msgs



> Create Message

Press

To






1 CHANGE (☑)

select To

# Messages—Text

| Press          | To   |
|----------------|--|
| 2 keypad keys  | enter the phone number where you want to send the message  |
| 3 OK (↵)       | store the number   |
| 4 CHANGE (↵)   | select <b>Msg</b>  |
| 5 keypad keys  | enter the text message (see “Entering Text” on page 51.)   |
| 6 OK (↵)       | store the text message   |
|                | <b>Note:</b> 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 <b>Priority</b>   |
| 8 ⬅➡           | scroll to the priority you want  |
| 9 SELECT (↵)   | set the priority   |
| 10 CHANGE (↵)  | select <b>Call</b>   |
| 11 keypad keys | enter the number you want your recipient to call back (the message’s <b>From</b> field)  |
| 12 OK (↵)      | store the number   |
| 13 CHANGE (➡)  | select <b>Receipt</b>  |



| Press  | To   |
|--|--|
| 14    | select whether you want the message status to be updated when the recipient opens the message<br><br><b>Note:</b> Sent messages are stored in your phone's outbox. See "Viewing the Status of Sent Text Messages" on page 114. |
| 15 OK (  )  | store your receipt preference  |
| 16 DONE (  )  | finish the message<br><br>Your phone displays<br><b>Send Message Now?</b>  |
| 17 YES (  )<br>or<br>NO (  ) | send the message<br><br>cancel the message or save it as a draft   |

## 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



> Messages > Outbox

Messages are sorted from newest to oldest.

The following icons indicate message status:

» = Sending in progress

✕ = Sending failed








# Shortcuts



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

## Standard Shortcuts

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

| Do This  | To   |
|--|--|
| Press  , then press and hold  (within two seconds) | zoom in/out your phone's display view<br>(See "Changing the Zoom Setting" on page 30.) |
| Press    | lock/unlock your keypad  |
| Press    | display your phone number  |
| Press   | go to the dialed calls list<br>(See "Recent Calls" on page 73.)                        |

## User-Settable Shortcuts




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

## Creating a Shortcut

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            | enter the menu system   |
| 2 Scroll to the item to which you want to assign a shortcut   | highlight the menu item   |
| 3 Press and hold   | open the shortcut editor<br>The phone displays:<br><b>Assign Shortcut for:</b><br>“ <i>Item</i> ”?<br>where <i>Item</i> is the name of the item you selected. |
| 4 Press YES (  ) | view shortcut options   |



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




## Using Shortcuts

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

### Use a Keypad Shortcut

If you know the shortcut number:

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


### Select a Shortcut From the List

To select a shortcut from the shortcut list:

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

### Use a Voice Shortcut

To use a voice shortcut:

| Do This  | To  |
|--|---|
| 1 Press                     | 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 |



# 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 <b>Recording Voice Note</b> message. |
| 2 Speak your voice message into the phone.  | The phone records the message and displays a recording timer.                                 |

# Voice Notes

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

## Viewing the Voice Notes List

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

### Find the Feature

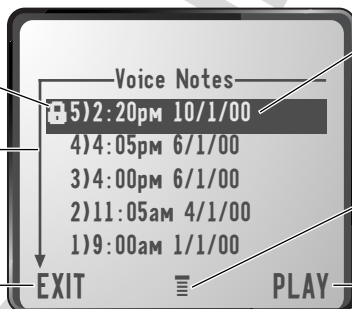


> Voice Notes

Locked voice note

Down scroll arrow

Return to previous screen



Time/date recorded

Press  to open the Voice Notes Menu

Play the highlighted voice note

**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



> Voice Notes

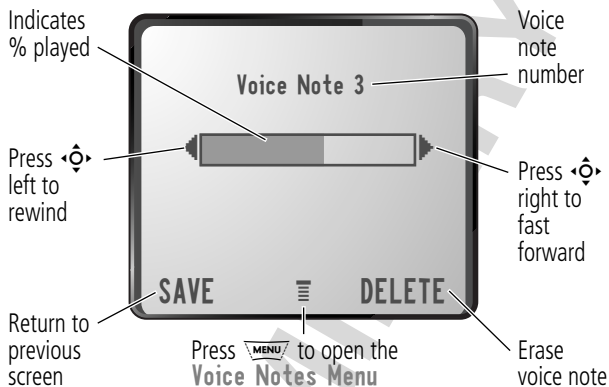
| Press         | To                       |
|---------------|--------------------------|
| 1             | scroll to the voice note |
| 2 <b>PLAY</b> | play the voice note      |

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.





## Voice Note Controls

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

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

Stop playback and return to voice notes list.

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

Press **left** to rewind three seconds, resume playing. Press **left and hold** to rewind to the beginning

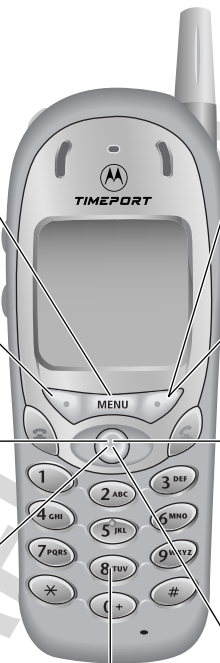
Press any number key to alternately stop and start playback.

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

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

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

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







## 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

 > Voice Notes

| Press   | To  |
|---|---|
| 1                    | scroll to the voice note you want to lock or unlock |
| 2                    | open the <b>Voice Notes Menu</b>                    |
| 3                    | scroll to <b>Lock</b> or <b>Unlock</b>              |
| 4 <b>SELECT</b> (  ) | 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                      | open the <b>Voice Notes Menu</b>       |
| 2                     | scroll to <b>Lock</b> or <b>Unlock</b> |
| 3 <b>SELECT</b> (  ) | lock or unlock the voice note          |

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



## Deleting a Voice Note

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 124.

### Find the Feature



> Voice Notes

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

### Notes:

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



# 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



> 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 > Go To.

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



## Interacting With Web Pages

You can perform the following operations on a Web page:

| Do This   | To  |
|---|---|
| Press    | scroll through a text message             |
| Press  and then <b>SELECT</b> (  )                            | scroll through and select items in a list |
| Press keypad keys and then <b>OK</b> (  )  | 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          |

# Calculator

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

## Calculating Numbers

### Find the Feature



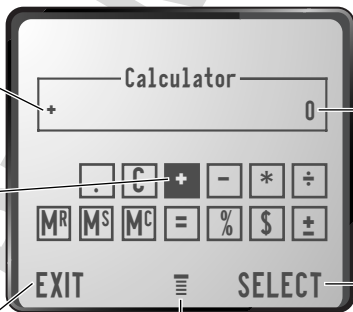
> **Calculator**

| Press            | To                               |
|------------------|----------------------------------|
| 1 number keys    | enter a number in the calculator |
| 2  left or right | select a calculator function     |
| 3 <b>SELECT</b>  | perform the selected function    |

Selected function appears here

Press to highlight a function

Exit the calculator



Entered number

Perform the highlighted function

Press to open the **Calculator Menu**



The calculator can perform the following functions:

| Function             | Description  |
|----------------------|--|
| .                    | Insert a decimal point   |
| <b>C</b>             | Clear the calculation  |
| <b>CE</b>            | Clear entry  |
| =                    | Calculate the result   |
| +                    | Add  |
| -                    | Subtract   |
| *                    | Multiply   |
| ÷                    | Divide   |
| %                    | Divide the displayed value by 100                                    |
| ±                    | Change the entry's sign (positive/negative)                          |
| <b>M<sup>R</sup></b> | Replace the displayed value with the value stored in memory          |
| <b>M<sup>S</sup></b> | Store the current value in memory (overwrites values already stored) |
| <b>M<sup>C</sup></b> | Store 0 in memory  |

## Converting Currency

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

### Find the Feature



> Calculator



> Exchange Rate

| Press               | To  |
|---------------------|---|
| 1 number keys       | enter the exchange rate   |
| 2 <b>OK</b> (↵)     | store the exchange rate   |
| 3 number keys       | enter the amount to convert (amount to multiply by the exchange rate) |
| 4 ◀▶ left or right  | select the \$ function  |
| 5 <b>SELECT</b> (↵) | perform the conversion  |



Your phone contains three games that you can play between phone calls. If you get an incoming call, message, alarm, or alert, the game ends automatically.

## Selecting and Starting a New Game

### Find the Feature



> Games

| Press             | To                                |
|-------------------|-----------------------------------|
| 1                 | scroll to the game of your choice |
| 2 <b>SELECT</b> ( | start the game                    |

When the game is over, you can play another session of the same game or return to the games menu.

| Press                              | To  |
|------------------------------------|---|
| <b>BACK</b> (<br>or<br><b>NO</b> ( | return to the games menu                          |
| <b>NEW</b> (<br>or<br><b>YES</b> ( | start another session of the game you just played |

## Ending a Game

You can end the game at any time.

| Press     | To  |
|-----------|---|
| BACK (👁️) | end the game session and return to the games menu |
| or<br>👁️  |   |

---

## Playing the Games

### Blackjack

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

#### Rules of the game

- All face cards count as 10 points.
- All number cards count as the points shown on their face.
- An Ace counts as 11 points, unless that would put you over 21 points. Otherwise, an Ace is counted as 1 point. An Ace that was originally counted as 11 may later be counted as 1 point if it will bring your points under or equal to 21 points.
- An initial deal of an Ace and a card with a face value of 10 points counts as exactly 21 points or Blackjack.
- Blackjack automatically wins against any other hand that totals 21 points.



- If you score more than 21 points, you go “bust” or lose.
- If you get five cards without going bust, you win.
- If you and the dealer have the same score, the dealer wins.
- You can ask for a “hit” or another card as long as you do not go bust.
- As long as the dealer’s total is less than 17 points, the dealer must continue to take a hit.

## How to Play

When the game begins, you are dealt two cards. Based on their total face value, you can:

| Press      | To                          |
|------------|-----------------------------|
| STAY (👁️)  | see the results of the hand |
| HIT ME (🎴) | request another card        |

## Mindblaster

Your goal is to guess a secret four-symbol code. You play by entering symbols into four spaces and then submitting a guess.

## Rules of the Game





- Your score is the number of guesses it takes to reveal the secret code.
- When you submit a guess, you get a clue that shows how many symbols have been identified correctly or are in the correct position.



- You can see a history of your last 10 guesses.
- Once you enter a symbol into a blank space, you can change the symbol but you cannot make the space blank again.
- When you correctly guess the four-symbol code, the display shows your score and the level of your next game.
- After you win one game, you progress from level 1 to level 2.
- After you win two more games, you progress from level 2 to level 3.
- When you exit the game or turn off the phone, you begin again at level 1.
- If you quit the game before you discover the secret code, you can see the number of guesses you attempted and view the correct answer.

## How to Play

When the game begins, you see four blank spaces. To play the game:

| Press   | To  |
|---|---|
|  left or right | move from space to space                              |
|  up or down    | place a symbol in a space                             |
|                | submit a guess (when all four spaces contain symbols) |
|                | view a history of your last 10 guesses                |



| Press          | To                       |
|----------------|--------------------------|
| ◀◊▶ up or down | move through the history |

## Paddleball

In this test of endurance, your mission is move your paddle to strike a bouncing ball. The more you succeed, the smaller your paddle gets.

### Rules of the game

- Your score is the number of times your paddle hits the ball.
- You lose when the paddle misses the ball and the ball hits the wall.

### How to play

| Press          | To   |
|----------------|--|
| ◀◊▶ up or down | move your paddle so that it hits the bouncing ball |


# Adjusting Your Settings

---

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


## Ring/Vibrate

Your phone rings or vibrates to notify you of an incoming call, message, or other event. This ring or vibration is called an *alert*. You can 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



> Settings > Ring/Vibrate  
> Alert

| Press  | To   |
|--|--|
| 1             | scroll to the alert you want to use  |
| 2 SELECT (  ) | select the alert<br><br>The phone displays the<br><b>Changed: Alert</b> message. |

---

---



## 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



> 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<br>The phone displays the list of available alerts.                   |
| 3        | scroll to the alert you want for the event   |
| 4 SELECT | select the alert<br>The phone displays the <b>Changed:</b> <i>Event Alert</i> message. |

## Use the My Tones Feature

The my tones feature lets you create up to 32 custom alert tones for your phone. The tones you create appear in the list of available alerts (see “Select a Ring/Vibration for a Specific Event” on page 137).

### Creating a Tone

#### Find the Feature

 > **Settings** > **Ring/Vibrate**  
> **My Tones**  
 > **New Tone**

| Press               | To  |
|---------------------|---|
| 1 <b>CHANGE</b> (👁) | select <b>Notes</b>   |
| 2 keypad keys       | enter notes for the tone (see “Entering Notes” on page 139) |
| 3 <b>OK</b> (👁)     | store the notes   |
| 4 <b>CHANGE</b> (👁) | select <b>Name</b>  |
| 5 keypad keys       | enter the name for the tone                                 |
| 6 <b>OK</b> (👁)     | store the name  |
| 7 <b>DONE</b> (👁)   | store the tone  |






## Entering Notes

To create a new tone, use the keypad keys to enter each note in turn. You can modify a note's pitch, octave, or length by entering an octave/note/length combination as described below:

| Key                   | Note or Option | Description          |
|-----------------------|----------------|----------------------|
| 1 <small>Oct</small>  | 1              | set octave one       |
|                       | 2              | set octave two       |
|                       | 3              | set octave three     |
| 2 <small>Note</small> | A              | note A               |
|                       | B              | note B               |
|                       | C              | note C               |
| 3 <small>Note</small> | D              | note D               |
|                       | E              | note E               |
|                       | F              | note F               |
| 4 <small>Note</small> | G              | note G               |
|                       | R              | rest                 |
| 7 <small>Note</small> | #              | sharp                |
|                       | b              | flat                 |
| 8 <small>Note</small> | V              | vibrate (one second) |
| 0 <small>Note</small> | h              | half note            |
|                       | w              | whole note           |
|                       | q              | quarter note         |

# Adjusting Your Settings

## Notes:

- Press a key multiple times to cycle through its available notes or options.
- To change a note to a sharp or flat, enter the appropriate character (# or **b**) *after* the note (for example: **A#** for an A sharp).
- The default setting for a new tone is a quarter note in octave two. To change a note's octave, set the new octave (**1**, **2**, or **3**) *before* the note (for example: **3C#** for a C sharp in octave three). The new octave applies to the note and all following notes until you change it.
- To change a note's length, set the new length (**h**, **w**, or **q**) *after* the note (for example: **Dh** for a D half note). The new length applies to the note and all following notes until you change it.
- To add a rest, enter one or more **R** characters in the tone sequence. You can set a length (**h**, **w**, or **q**) *after* the rest just as you can for a note.
- Some sharps and flats are played as standard notes (for example: **B# = C**). Press  to scroll to valid notes when entering a new note.
- To listen to a new tone as you compose it, press  to enter the **Compose Menu**, and select **Play All** to play the notes you have entered.
- For help, press  to enter the **Compose Menu**, and select **Help** to view instructions on how to enter notes.



## Playing a Tone

### Find the Feature

 > Settings > Ring/Vibrate  
> My Tones



| Press  | To  |
|--|---|
| 1   | scroll to the tone you want   |
| 2   | open the <b>My Tones Menu</b>   |
| 3   | scroll to <b>Play</b>   |
| 4 <b>SELECT</b> (   | select <b>Play</b><br>The phone displays the playback meter and plays the tone. |
| 5 <b>PLAY</b> ( <br>or<br><b>CANCEL</b> (  | play the tone again<br>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

 > Settings > Ring/Vibrate  
> My Tones

| Press   | To                                  |
|---|-------------------------------------|
| 1                | scroll to the tone you want to edit |
| 2 <b>EDIT</b> (  | open the tone details               |



# Adjusting Your Settings






| Press   | To   |
|---|--|
| 3                | scroll to the details you want to edit ( <b>Name</b> or <b>Notes</b> ) |
| 4 <b>CHANGE</b>  | select the details you want to edit                                    |
| 5 keypad keys   | enter new text or notes (see "Entering Notes" on page 139)             |
| 6 <b>OK</b>      | 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

 > **Settings** > **Ring/Vibrate**  
> **My Tones**

| Press   | To                            |
|---|-------------------------------|
| 1                  | scroll to the tone you want   |
| 2                  | open the <b>My Tones Menu</b> |
| 3                | scroll to <b>Delete</b>       |
| 4 <b>SELECT</b>  | select <b>Delete</b>          |
| 5 <b>YES</b>     | 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



> Settings > Ring/Vibrate  
> Alert Detail > Reminders

| Press           | To   |
|-----------------|--|
| 1               | scroll to the reminder alert you want:<br><b>Beep</b> , <b>Vibrate</b> , or <b>Off</b><br><b>Beep</b> or <b>Vibrate</b> sets the corresponding reminder alert type.<br><b>Off</b> turns off all reminders. |
| 2 <b>SELECT</b> | select the reminder alert  |

## Call Forwarding



Call forwarding sends your phone's incoming voice, fax, and/or data calls directly to another phone number. Use call forwarding options to specify which calls your phone should forward. When you are ready to accept calls on your phone again, you can turn off call forwarding.







# Adjusting Your Settings

## Set Up or Cancel Call Forwarding

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

|                       |  |
|-----------------------|--|
| <b>All Calls</b>      | forwards all calls   |
| <b>If Unavailable</b> | forwards calls if your phone is unavailable  |
| <b>Detailed</b>       | uses different forwarding numbers if you are out of range, unable to answer, or busy ( <i>voice calls only</i> ) |
| <b>Off</b>            | does not forward calls   |

**Find the Feature**       > **Settings** > **Call Forward**

| Press   | To   |
|---|--|
| 1                  | scroll to the type of calls you want to forward<br><b>(Cancel All</b> cancels all call forwarding and ends the procedure.) |
| 2 <b>SELECT</b>  | open the call forward details for that call type   |
| 3                | scroll to <b>Forward</b>   |
| 4 <b>CHANGE</b>  | change the <b>Forward</b> option   |
| 5                | scroll to the call forward option you want   |
| 6 <b>SELECT</b>  | store the option   |



| Press                                | To  |
|--------------------------------------|---|
| 7                                    | scroll to <b>To</b> (same for <b>If Busy</b> , <b>If No Answer</b> , or <b>If Unreachable</b> )                   |
| 8 <b>CHANGE</b>                      | change the phone number   |
| 9 keypad keys<br>or<br><b>BROWSE</b> | enter the forwarding phone number<br>browse through your phonebook or other lists for the forwarding phone number |
| 10 <b>OK</b>                         | store the forwarding phone number   |

**Note:** You can repeat this procedure to enter forwarding information for other call types.

## Check Call Forwarding Status

Your network may store call forwarding status for you. If you change your phone's call forward settings (see "Set Up or Cancel Call Forwarding" on page 144), then you should confirm that the network call forward status matches your preferences.

### Find the Feature



> **Settings** > **Call Forward**  
> **Forward Status**

| Press         | To   |
|---------------|--|
| 1             | scroll to <b>Voice</b> , <b>Fax</b> , or <b>Data</b> calls |
| 2 <b>View</b> | confirm that the network settings are correct              |

## Reordering Menu Items

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

### Find the Feature



> 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 ) to access different main menu items from the idle display.

### Find the Feature



> Settings  
> Other Settings  
> Personalize > Keys

| Press    | To                                    |
|----------|---------------------------------------|
| 1        | scroll to <b>Left</b> or <b>Right</b> |
| 2 CHANGE | open the key editor                   |



| Press    | To   |
|----------|--|
| 3        | scroll to the new key function                                 |
| 4 CHANGE | confirm the new function                                       |
|          | The key will have the new function whenever the phone is idle. |

## Hands-Free Use



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

> Settings  
> Other Settings

| Press    | To  |
|----------|---|
| 1        | scroll to <b>Car Settings</b> or <b>Headset</b> |
| 2 SELECT | select the feature                              |

# Adjusting Your Settings

| Press   | To                                |
|---|-----------------------------------|
| 3                | scroll to <b>Auto Answer</b>      |
| 4 <b>CHANGE</b>  | select <b>Auto Answer</b>         |
| 5                | scroll to <b>On</b> or <b>Off</b> |
| 6 <b>SELECT</b>  | 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



- > **Settings**
- > **Other Settings**
- > **Car Settings**
- > **Auto Handsfree**

| Press   | To                                |
|---|-----------------------------------|
| 1                | scroll to <b>On</b> or <b>Off</b> |
| 2 <b>SELECT</b>  | 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



- > Settings
- > Other Settings
- > Car Settings
- > Power-Off Delay

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

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



## Charger Time

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

### Find the Feature



- > Settings
- > Other Settings
- > Car Settings
- > Charger Time

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



# Data and Fax Calls

---



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

- 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.

More information about Motorola Original data kits is available at:

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

## **Connecting Your Phone to an External Device**

Connect your phone to an external device (such as a computer or hand-held device) using [an Infrared Data Association \(IrDA\) wireless link](#), 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.

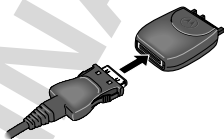
**Note:** Check your computer or hand-held device to determine the type of cable you need.

## Attaching a Serial Cable

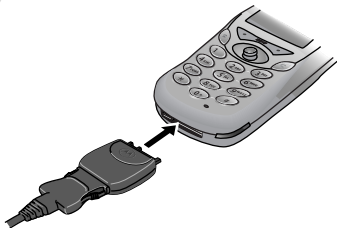
Use the interchangeable head on the Motorola Multi-Connect Serial Cable to connect a computer, Palm III device, or Palm V device to your phone.

### Do This

- 1 Plug the serial cable into the detachable head. Make sure that the Motorola logo on the detachable head and the metal shielding on the serial cable plug are both facing you.



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



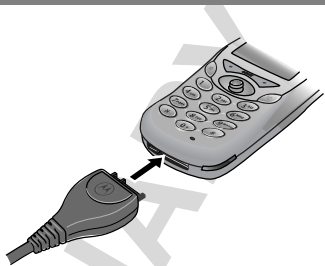
- 3 Plug the other end of the cable into the serial interface connection on the external device and tighten the screws.



## Attaching a USB Cable

### Do This

- 1 Plug the end of the cable with the Motorola logo into the phone's accessory connector port. Make sure that the logo and the phone are both facing you.



- 2 Plug the other end—the USB connection—into the USB port on the external device.

## Establish an Infrared Connection

Use the following procedure to connect your phone to an external device using an infrared data link.

**Important:** In order to create and maintain an infrared connection, your phone must be within one meter (about three feet) of the other device. Nothing can block the line of sight between the two devices.

### Find the Feature



> Settings > Connection  
> IrDA Link

Press

To

1

access the infrared link feature

# Data and Fax Calls

| Press              | To  |
|--------------------|---|
| 2 <b>START</b> (👁) | activate the infrared link<br>The phone displays the <b>Infrared Link connecting</b> message for 60 seconds or until the link is established.<br>When the link has been established, the phone displays the <b>IRDA link is active</b> message. |

---

---

If the phone does not find an infrared-capable device, it displays the **Infrared link failed. Retry Now?** message.

| Press          | To                     |
|----------------|------------------------|
| <b>YES</b> (👁) | try another connection |

---

---

## Break an Infrared Connection

You can break the infrared data connection by moving the device away from the phone, turning off the device, or turning off the phone.

## Install the Software

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



## ***Sending a Data or Fax Call***

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

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

Connect your phone (see "Connecting Your Phone to an External Device" on page 151) and do the following:

| <b>Do This</b>                                 | <b>To</b>   |
|--|---|
| <b>1</b> Check the phone                       | make sure that the phone is connected and powered on  |
| <b>2</b> Open the application on your computer | place the call through the application (such as dial-up-networking or fax)<br><b>Note:</b> You cannot dial data or fax numbers through your phone's keypad. You must dial them through your computer. |
| <b>3</b> 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.

## 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

 > Settings > Connection  
> Incoming Call

| Do This   | To   |
|---|--|
| 1 Press <b>CHANGE</b> (  )   | select the <b>Next Call</b> menu option  |
| 2 Press                      | scroll to <b>Data In Only</b> or <b>Fax In Only</b><br><br>Selecting either of these options mutes the earpiece and routes the next incoming call to the connected device. |
| 3 Press <b>SELECT</b> (  ) | set the format for the next incoming call  |



| Do This                            | To  |
|------------------------------------|---|
| 4 Connect your phone to the device | enable the data or fax transfer<br>(See "Connecting Your Phone to an External Device" on page 151.) |

---

**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 158 and "Returning an Unanswered Call" on page 34.

## ***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



> Settings > Connection  
> Incoming Call

| Do This               | To   |
|-----------------------|--|
| 1 Press<br>CHANGE (↻) | select the <b>Next Call</b> menu option                  |
| 2 Press ◀◉▶           | scroll to <b>Normal</b>                                  |
| 3 Press<br>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.



## Sending a Talk then Data or Talk then Fax Call

You can place a call where you talk and then send data or a fax to the same phone number within the same call.

Connect to the device that will send the data or fax (see “Connecting Your Phone to an External Device” on page 151) and do the following:

| Press   | To  |
|---|---|
| 1 keypad keys   | enter the phone number for the call   |
| 2                | open the <b>Dialing Menu</b>  |
| 3                | scroll to <b>Talk Then Data</b> or <b>Talk Then Fax</b>   |
| 4 <b>SELECT</b>  | select <b>Talk Then Data</b> or <b>Talk Then Fax</b> (for the next call only)   |
| 5                | dial the call<br>Speak and, when ready, initiate the data or fax transfer on the connected device.<br>When transfer is complete, end the call from the connected machine. |

# Security


---

## Assigning a New Code or Password

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

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

### Notes:

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



To change a code or password:

## Find the Feature



> Settings > Security  
> New Passwords



| Press           | To   |
|-----------------|--|
| 1               | scroll to the code or password you want to change  |
| 2 <b>CHANGE</b> | select the code or password  |
| 3 keypad keys   | enter your old code<br>If you do not know your code, see “If You Forget a Code or Password” on page 161. |
| 4 <b>OK</b>     | submit your old code   |
| 5 keypad keys   | enter the new code   |
| 6 <b>OK</b>     | assign the new code  |
| 7 keypad keys   | re-enter the new code  |
| 8 <b>OK</b>     | confirm the new code   |

## ***If You Forget a Code or Password***

If you forget your security code (originally set to 000000), [SIM PIN](#), [SIM PIN2](#), or [call barring password](#), contact your service provider.

# Security

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  | go to the unlock code bypass screen |
| 2 keypad keys   | enter your security code            |
| 3  | submit your security code           |

## Locking and Unlocking Your Phone

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

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


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

## Lock Your Phone Manually

### Find the Feature



> Settings > Security  
> Phone Lock > Lock Now

| Press   | To                                |
|---|-----------------------------------|
| 1 keypad keys   | enter your four-digit unlock code |
| 2  | 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



> Settings > Security  
> Phone Lock  
> Automatic Lock > On

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



## Unlock Your Phone

At the **Enter Unlock Code** prompt:

| Press         | To  |
|---------------|---|
| 1 keypad keys | enter your four-digit unlock code<br>The unlock code is originally set to 1234. If necessary, see “If You Forget a Code or Password” on page 161. |
| 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                         |
|---|----------------------------|
|   | lock or unlock your keypad |

**Note:** Incoming calls and messages unlock the keypad.

## Barring Calls






Call barring lets you restrict outgoing or incoming calls. You can restrict all calls, calls to international numbers, or calls while roaming.



### Find the Feature



> **Settings** > **Security**  
> **Call Barring**

| Press   | To  |
|---|---|
| 1 keypad keys   | enter your call barring password                            |
| 2 <b>OK</b> (  )     | submit your password  |
| 3                    | scroll to <b>Outgoing</b> or <b>Incoming</b> calls          |
| 4 <b>CHANGE</b> (  ) | select barring for <b>Outgoing</b> or <b>Incoming</b> calls |



| Press   | To   |
|---|--|
| 5                | scroll to a restriction for the barred calls |
| 6 <b>SELECT</b>  | select the restriction for the barred calls  |




## Protecting the SIM Card

When the SIM PIN feature is activated, you must enter your SIM card PIN code each time you turn on the phone or insert a SIM card.

### Find the Feature



> **Settings** > **Security**  
> **SIM PIN**








| Press   | To                                |
|---|-----------------------------------|
| 1                | scroll to <b>On</b> or <b>Off</b> |
| 2 <b>SELECT</b>  | switch protection on or off       |
| 3 keypad keys   | enter your SIM card PIN code      |
| 4 <b>OK</b>    | submit your code                  |



# Troubleshooting

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

| Question  | Answer   |
|---|--|
| <b>Is your phone set up correctly?</b>  | Press   . If you do not see your phone number, contact your service provider.                          |
| <b>Is your battery charged? Do you see  in the display?</b>        | The battery level indicator should have at least one segment showing (  ). If it does not, recharge your battery. (See "Charging the Battery" on page 24 and "Battery Use" on page 31.) |
| <b>Does the handset have a signal? Do you see  in the display?</b> | 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.                                  |
| <b>Is the earpiece volume too low?</b>  | While on a call, press the upper volume key on the side of your phone.   |
| <b>Is the other party unable to hear you?</b>   | Press <b>UNMUTE</b> (  ) if necessary to unmute the phone.<br><br>Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.                      |



| Question   | Answer  |
|--|---|
| <b>Has the phone been damaged, dropped, or gotten wet?</b> | 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. |
| <b>Was a non-Motorola battery or battery charger used?</b> |   |


The following refer to specific problems:

| Problem   | Solution   |
|---|--|
| <b>My phone was stolen. To whom should I report this?</b> | Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).  |
| <b>I forgot my password.</b>                              | See "If You Forget a Code or Password" on page 161.  |
| <b>I pressed the power key, but nothing happened.</b>     | Be sure to press and hold  (the power key) until the display appears and you hear an audible alert (this could take a couple of seconds). If nothing happens, check that a charged battery is installed. (See "Installing the Battery" on page 21.) |

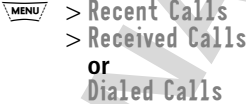
# Troubleshooting

| Problem  | Solution   |
|--|--|
| <b>The display says: Enter Unlock Code. How do I unlock my phone?</b>  | Enter the factory-preset unlock code (1234), or the last four digits of your phone number. (See "Locking and Unlocking Your Phone" on page 162.) If this fails, call your service provider (the company that sends you your monthly wireless service bill).      |
| <b>My phone asks for an unlock code when I try to open a feature.</b>  | 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 161.  |
| <b>My phone does not ring.</b>   | If you see  or  in the display, then the ringer is turned off. See "Ring/Vibrate" on page 136. |
| <b>I tried to place a call and heard an alternating high/low tone.</b> | 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 <b>Ready</b> before making a call.  |



| Problem   | Solution   |
|---|--|
| <b>I cannot send/receive calls.</b>                 | <p>Make sure that you have a phone signal (see the “Signal Strength Indicator” item on page 28). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings.</p> <p>Your phone also may have the <b>Call Barring</b> feature turned on. If you know the unlock code, you can change this setting in the security menu ( &gt; <b>Settings</b> &gt; <b>Security</b>).</p> <p>Also, check to be sure your SIM card is installed and working.</p> |
| <b>My phone has poor reception and drops calls.</b> | <p>Make sure that your antenna is not bent or damaged.</p> <p>Also, make sure you have a phone signal (see the “Signal Strength Indicator” item on page 28). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.</p>   |
| <b>I cannot hear others on my phone.</b>            | <p>While on a call, press the upper volume key on the left side of your phone. Your phone display should show the volume increasing.</p> <p>Also, make sure that your phone’s earpiece is not blocked by its carrying case.</p>  |


# Troubleshooting

| Problem  | Solution   |
|--|--|
| <b>I cannot open my inbox.</b>   | 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 107.  |
| <b>How do I see the calls I sent or received?</b>  | To see the most recent calls you dialed or received, open the "Recent Calls" lists:<br> <p>MENU &gt; Recent Calls<br/>&gt; Received Calls<br/>or<br/>Dialed Calls</p>         |
| <b>My phone's display is too dark.</b>   | You can use the <b>Contrast Setting</b> feature (see page 70) to change the level of contrast in your phone display.<br>You can also use the <b>Backlight</b> feature (see page 70) to change the length of time that your phone's backlight display stays on. |
| <b>My battery didn't last as long as I expected. What can I do to extend battery life?</b> | 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.   |



| Problem  | Solution  |
|--|---|
| <b>I am unable to record a voice note, voice name, or voice shortcut</b>   | 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.   |
| <b>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?</b> | <p>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.</p> <p>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.</p> |
| <b>My phone beeped when I attached the data cable, but my fax and data applications don't work.</b>                      | <p>Some wireless networks may not support data or fax transmission. If you are roaming on an unfamiliar network, this may be the case.</p> <p>Also, remember that data and fax transmission usually requires a subscription. Call your service provider for more information.</p>   |

# Troubleshooting

| Problem   | Solution   |
|---|--|
| <b>When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?</b> | 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.   |
| <b>I can't end my data call by closing the application on my computer. What can I do?</b>                 | Try pressing  on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer. |
| <b>I launched the micro-browser but the display says: Service Not Available.</b>                          | You may be in an area without service, or you may be connected to a network that does not support Internet access.   |
| <b>I launched the micro-browser but the display says: Data Server Unavailable.</b>                        | Try again in a few minutes. The servers may be temporarily busy.   |

# ***Specific Absorption Rate Data***

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**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.<sup>1</sup> 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.



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 \_\_\_\_\_<sup>2</sup>, and when worn on the body, as described in this user guide, is \_\_\_\_\_<sup>2</sup> (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 \_\_\_\_\_.

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***

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

**Why the concern?**

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

## **What kinds of phones are in question?**

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

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

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

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

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

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

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

National Cancer Institute is expected to bear on the accuracy and repeatability of these results.<sup>1</sup>

- 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.<sup>2</sup>

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

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

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

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

- 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.<sup>4</sup>

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

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

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

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

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

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

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

- support needed research into possible biological effects of RF of the type emitted by mobile phones
- design mobile phones in a way that minimizes any RF exposure to the user that is not necessary for device function
- cooperate in providing mobile phone users with the best possible information on what is known about possible effects of mobile phone use on human health

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

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

The National Institutes of Health also participates in this group.

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

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if people



are concerned about avoiding even potential risks, there are simple steps they can take to do so. For example, time is a key factor in how much exposure a person receives. Those persons who spend long periods of time on their hand-held mobile phones could consider holding lengthy conversations on conventional phones and reserving the hand-held models for shorter conversations or for situations when other types of phones are not available.

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

- a mobile phone in which the antenna is located outside the vehicle
- a hand-held phone with a built-in antenna connected to a different antenna mounted on the outside of the car or built into a separate package
- a headset with a remote antenna to a mobile phone carried at the waist

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

## **Where can I find additional information?**

For additional information, see the following Web sites:

**Federal Communications Commission (FCC)** RF Safety Program (select “Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters”):

<http://www.fcc.gov/oet/rfsafety>

**World Health Organization (WHO)** International Commission on Non-Ionizing Radiation Protection (select Qs & As):

<http://www.who.int/emf>

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

**Cellular Telecommunications Industry Association (CTIA):**

<http://www.wow-com.com>

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

1. Muscat et al. Epidemiological Study of Cellular Telephone Use and Malignant Brain Tumors. In: State of the Science Symposium; 1999 June 20; Long Beach, California.
2. Tice et al. Tests of mobile phone signals for activity in genotoxicity and other laboratory assays. In: Annual Meeting of the Environmental Mutagen Society; March 29, 1999, Washington, D.C.; and personal communication, unpublished results.
3. Preece, AW, Iwi, G, Davies-Smith, A, Wesnes, K, Butler, S, Lim, E, and Varey, A. Effect of a 915-MHz simulated mobile phone signal on cognitive function in man. *Int. J. Radiat. Biol.*, April 8, 1999.
4. Hardell, L, Nasman, A, Pahlson, A, Hallquist, A and Mild, KH. Use of cellular telephones and the risk for brain tumors: a case-control study. *Int. J. Oncol.*, 15: 113-116, 1999.

# Warranty

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## 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.

## 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

# Warranty

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.

# Warranty

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

# Warranty

- 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**

**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.**

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Mississauga, ON L4Z 2H4

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PRELIMINARY

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**MOTOROLA**

## ***Wireless Phone Safety Tips***

*"Safety is your most important call!"*

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

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

- 1 Get to know your Motorola wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- 2 When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless phone with one of the many Motorola Original™ hands-free accessories available today.





- 3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- 5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- 6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.
- 8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.\*



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

\* Wherever wireless phone service is available.

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

For more information,  
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