

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT56EJ1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

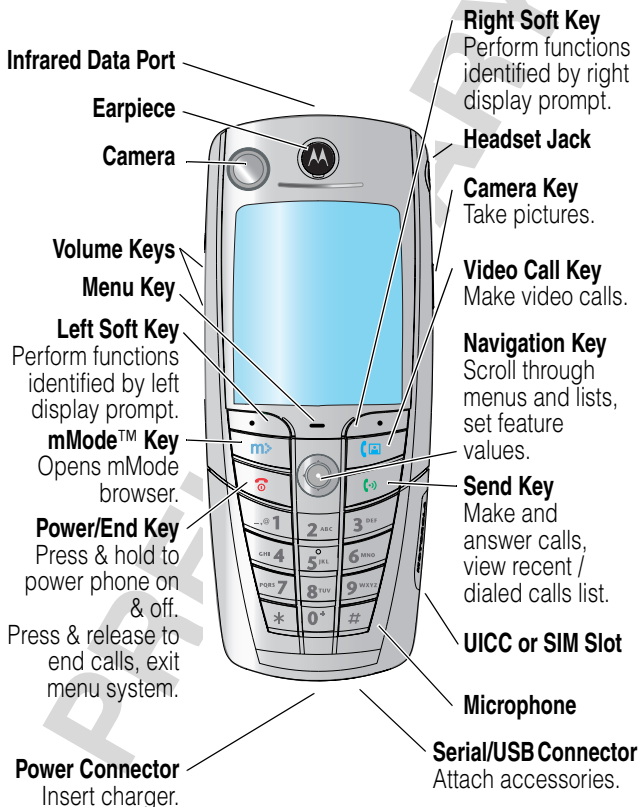


MOTOROLA

START HERE >

Welcome

Welcome to the world of Motorola digital wireless communications! We are pleased that you have chosen the Motorola A845 wireless phone.



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PRELIMINARY

Menu Map

Main Menu

This is the standard main menu layout. **Menu feature order, names, or icons may vary on your phone.**

 **Messages**

 **Browser**

 **Recent Calls**

 **Games & Apps**

 **Multimedia**

 Pictures

 Camera

 Sounds

 Videos

 Video Camera

 **Datebook**

 **Phonebook**

 **Settings**
(see next page)

 **Tools**

-  Web Access
 - Browser
 - Web Shortcuts
 - Stored Pages
 - History
 - Goto URL
 - Browser Setup
 - Web Sessions

 Shortcuts

 Calculator

 Dialing Services

 Fast Menu

 SIM Apps *

* Indicates Network or Subscription Dependant Features

Settings Menu

-  **Personalize**
 - Home Screen
 - Main Menu
 - Color Style
 - Greeting
 - Wallpaper
 - Screen Saver
-  **Ring Styles**
 - Style
 - style Detail
 - My Tones
-  **Connection**
 - IrDA Link
 - Active Call
 - Bluetooth Link
 - Sync
-  **Call Forward ***
 - Voice Calls
 - Video Calls
 - Cancel All
 - Forward Status
-  **In-Call Setup**
 - In-Call Timer
 - Call Cost Setup
 - My Caller ID
 - Answer Options
 - Call Waiting
 - Msg Alert
-  **Initial Setup**
 - Time and Date
 - 1-Touch Dial
 - Auto Redial
 - Display Timeout
 - Backlight
 - TTY Setup
 - Scroll
 - Haptics
 - Language
 - Battery Save
 - Contrast
 - Brightness
 - DTMF
 - Master Reset
 - Master Clear
-  **Phone Status**
 - My Tel. Numbers
 - Active Line
 - Battery Meter
 - Storage Devices
 - Other Information
-  **Headset**
 - Auto Answer
 - Ringer Options
-  **Car Settings**
 - Auto Answer
 - Auto Handsfree
 - Power Off Delay
 - Charger Time
-  **Network**
 - New Network
 - Network Setup
 - Available Networks
 - Service Tone
 - Call Drop Tone
-  **Security**
 - Phone Lock
 - Lock Keypad
 - Lock Application
 - Fixed Dial
 - SIM PIN
 - New Passwords
-  **Java Settings**
 - Java App Loader
 - Java System
 - Delete All Apps
 - App Vibration
 - App Volume
 - App Backlight

* Indicates Network or Subscription Dependant Features

Safety and General Information

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

The information provided in this document supersedes the general safety information in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 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 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that 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

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 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.

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 handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website:

www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a 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. 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. 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 electronic devices.” Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch 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. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

European Union Directives Conformance Statement



Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

IMEI: 350034/40/394721/9

CE0168

Type: MC2-41H14

The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the product Approval Number from your product's label in the "Search" bar on the web site.

Getting Started



What's in the Box?

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

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

For more information, visit:

www.motorola.com (United States)

www.motorola.ca (Canada)

About This Guide

Optional Features



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

Optional Accessories



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



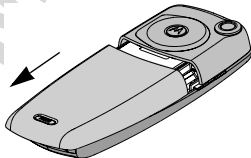
Installing the UICC or SIM Card

Your 3G UICC (Universal IC Card) contains your phone number, service details, and phonebook/message memory. Your phone can use GSM SIM (Subscriber Identity Module) cards, but not all features will be available.

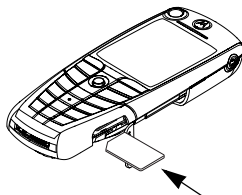
Caution: Do not bend or scratch your card. Avoid exposing your card to static electricity, water, or dirt.

Do This

- 1 Push the battery door down to release it from the phone.

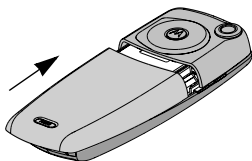


- 2 Open the card door on the right side of your phone.
- 3 Insert the card with the gold plate facing down and the notch as shown.



**Do This**

- 4 Close the card door.
- 5 Place the battery door back on the phone and push it up to snap it into place.



Installing the Battery

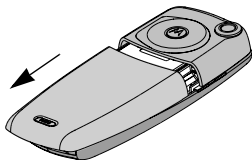
You must install and charge the battery to use your phone.



Caution: 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.

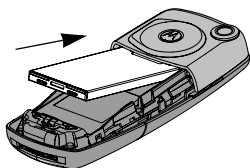
Do This

- 1 Remove the battery from its protective clear plastic case.
- 2 Push the battery door down to release it from the phone.

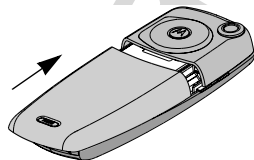


Do This

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



- 4 Place the battery door back on the phone and push it up to snap it into place.



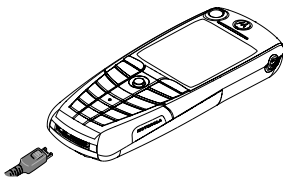
Charging the Battery

New batteries are partially charged. Before you can use your phone, install and charge the battery, as follows.

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

Do This

- 1 Plug the travel charger into your phone with the release tab up.



- 2 Plug the other end of the travel charger into the appropriate electrical outlet.



Do This

- 3 When your phone indicates **Charge Complete**, press the release tab and remove the travel charger.
-

Note: When you charge the battery, the battery level indicator in the upper right corner of the display shows the status of the charging process.

Battery Use

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

Battery Care

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

To maximize performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for long periods of time may require a longer charge time.
- Maintain the battery at or near room temperature when charging.



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



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

Turning Your Phone On

Do This

To

- 1 Press and hold the power key

Power key





Do This	To
2 If necessary, press  to scroll to the User Account you want, then press SELECT ()	select the user account you want from the list of accounts (stored on the SIM card)
3 If necessary, enter your SIM card PIN code and press OK ()	unlock your SIM card Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays SIM Blocked . Contact your service provider (see page 157).
4 If necessary, enter your four-digit unlock code and press OK ()	unlock your phone The unlock code is originally set to 1234. Your service provider may change this number before you receive your phone.

Adjusting Volume

Press the upper or lower volume keys to:

- increase and decrease earpiece or speakerphone volume during a call
- increase and decrease the ringer volume setting when the home screen is visible

- turn off an incoming call alert

Making and Answering Calls

This section describes basic calling features. To make video calls, see page 56. For more features, see page 64.



Making a Call

To call a number, your phone must:

- be turned on with the phone and keypad unlocked
- have a SIM card inserted and unlocked
- have a network connection with adequate signal strength

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

Note: You can make an emergency call even when the phone is locked, or when a SIM card is not inserted. See page 66.

Answering a Call

To answer a call, your phone must:



- be turned on with the phone unlocked
- have a SIM card inserted and unlocked
- have a network connection with adequate signal strength

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

Press	To
1  or ANSWER ()	answer the call
2  (end key)	end the call

Changing the Call Alert

In the home screen, press the down volume key to switch the alert for incoming calls and other events to vibrate, then silent. Press the up volume key to reset your phone to ring alert.

Viewing Your Phone Number

Note: Your phone number must be stored on your SIM card to use this feature. To store your phone number on the SIM card, see page 59. If you do not know your phone number, contact your service provider.

To view your phone number in the home screen, press



While you are on a call, press  > **My Tel. Numbers**.

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *home screen* (shown below) is the standard display when you are *not* on a call or using the menu.

Move the navigation key (⊙) up, down, left, or right for quick access:



Note: The features above are an example. To change the features for the navigation key (⊙), see page 118.

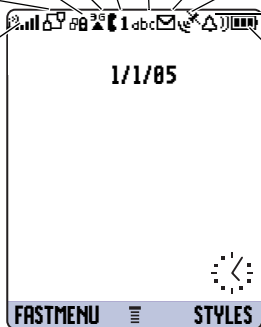
The menu indicator (≡) at the bottom center of the display indicates that you can press the menu key (⏏) to display a menu.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key (⏏) or right soft key (⏏) to perform the function indicated by the left or right soft key label.



At the top of the display are the following status indicators:

- ④ Service
- ③ Signal Security
- ② Data Service
- ① Signal Strength
- ⑤ Current Line
- ⑥ Text Case
- ⑦ Messages or Entry Method
- ⑧ AGPS Service
- ⑨ Alert Type
- ⑩ Battery Level



① Signal Strength Indicator Indicates the strength of your phone's connection with the network.

Strong      No signal

You cannot make or answer calls when the “no signal” indicator is displayed.



② Data Service Indicator Indicates when a packet data connection is available () or available and active (). This type of connection may be used by your service

provider to allow faster data transfer speeds. The indicator does not mean that you are on a call; it indicates only that you are registered on the network with a packet data connection.

③ Signal Security Indicator Indicates when you have a secure connection for packet data transfers, embedded application connections, or circuit switch data calls.



④ Service Indicator Indicates when your phone uses your home network (📶) or another network (📶). When you leave your home network area, your phone *roams* or seeks another network.



⑤ Current Line Indicator Indicates when you have Voice Privacy on, a call in progress, or **Call Forward** set to **All Calls** (📞). This icon also indicates which line is active (if you have a call on hold), and whether you have Caps Lock, Numeric Entry, or Symbol Entry switched on (when entering text).

⑥ Text Case Indicator Indicates the text case when you are in a text editor.

abc No capital letters

ABC All capital letters

Abc Next letter capital

To change the case in a text entry display, press .



⑦ Message or Entry Method Indicator Indicates when you have a new voice (📞) or text (📧) message waiting. When you enter a text message, a number here indicates how many more characters can fit in the message.



Any time you enter text, an icon here indicates the entry method: **Symbol** (!@#), **Numeric** (123), **Primary**, or **Secondary**:

Primary	Secondary	
1	2	Tap, no capital letters
1⇧	2⇧	Tap, next letter capital
1⇧	2⇧	Tap, all capital letters
1□	2□	iTAP, no capital letters
1⇧	2⇧	iTAP, next letter capital
1⇧	2⇧	iTAP, all capital letters

To change the entry method, press  (see page 45).

⑧ AGPS Service Indicator Indicates when AGPS Service is off (grey icon), on (white icon), or on and finding your location (green icon).

⑨ Alert Type Indicator Indicates the current selected alert profile. The default alert setting is a ringer.

 = loud ring

 = soft ring

 = vibrate

 = ring and vibrate

 = silent

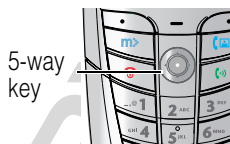
⑩ Battery Level Indicator Indicates the amount of charge left in the battery. The more bars visible, the greater the charge.

High     Empty

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

Note: When you charge the battery, the battery level indicator instead indicates how much of the charging process is complete. See page 21.

Using the 5-Way Navigation Key



Use the 5-way navigation key like a joystick to navigate the menu system, change feature settings, and play games. Press it in to select a highlighted menu item. This press usually performs the same function as the right soft key ()

Tip: Down and up are the primary movements within menus. Move left and right to change feature settings, navigate the datebook, and edit text.

Using the Video Call and mMode Keys

Your phone has special keys that provide access to important features. Enter a phone number and press the Video Call key () to make a video call (see page 56). Pressing the The mMode key () opens a Web session. You can use these keys any time you are not on a call.



Using Menus

From the home screen, press  to display the main menu.

Left Soft Key

Perform functions identified by left display prompt.

Right Soft Key

Perform functions identified by right display prompt.

Menu Key

Power/End Key

Press & hold to power phone on & off.

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

Send Key

Make and answer calls, view recent / dialed calls list.

Navigation Key

Scroll up and down, left and right through menus and lists, set feature values.

Press  to highlight a menu feature icon in the main menu. The following features may appear in the main menu, depending on your service provider and service subscription options.

 **Games & Apps**

 **Tools**

 **Datebook**

 **Settings**

 **Phonebook**

 **Messages**

 **Recent Calls**

 **Web Access**

 **Multimedia**

Tip: To change this menu, see page 117.

Selecting a Menu Feature

Select a menu feature as follows, starting from the home screen:

Find the Feature

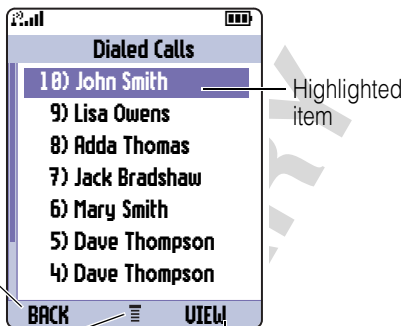
 > **Multimedia**
> **Pictures**

This example shows that from the home screen, you must press , scroll to and select **Multimedia**  from the main menu, then scroll to and select **Pictures**. Use  to scroll, and the left/right soft keys to select the functions listed in the bottom left and right corners of the display.



Selecting a Feature Option

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



Press **BACK** () to return to the previous screen.

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

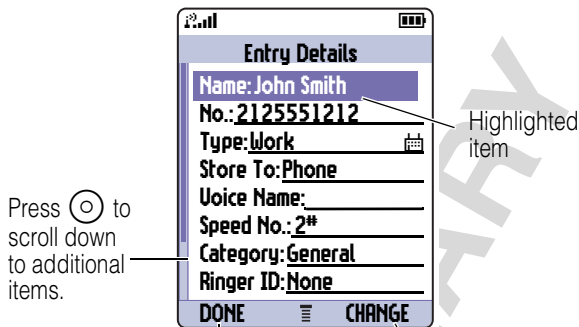
Press **VIEW** () to view details of the highlighted item. If no details are available, **STORE** () and **DELETE** () appear. Press **STORE** to store the item in your phonebook, or **DELETE** to delete the item from the list.

Select an item by highlighting it using one of the following:

- Press  to scroll up or down to highlight an item.
- In a numbered list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.
- When an item has a list of possible values, press  to the left or right to scroll and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.

Entering and Editing Text

Some features require you to enter information.



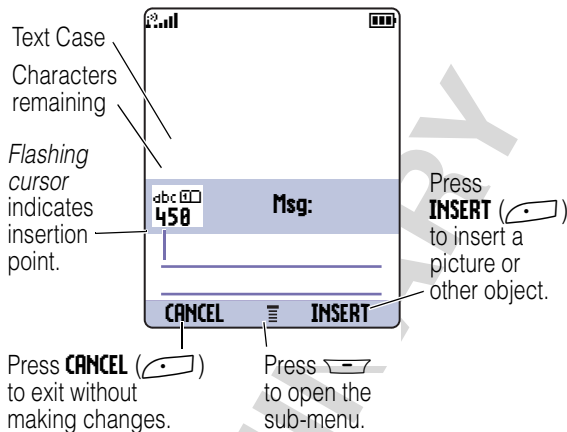
Press **CANCEL** (C) to exit without making changes.

DONE (C) displays when you enter or edit information.

Press **CHANGE** (C) to edit the information.



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



Using the Tap Method

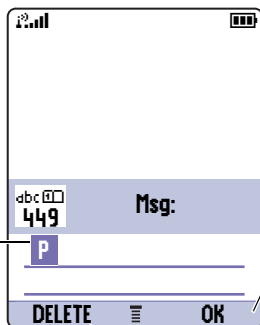
This is the standard entry method for entering text on your phone.

Press	To
1 A number key (one or more times)	select a letter, number, or symbol shown in the chart on page 38.
2 Number keys	enter remaining characters
	Tip: Press right to accept a word completion, or to insert a space
3 OK ()	store the text

In a text entry screen, you can press  to switch entry methods. An indicator tells you which method is active (see page 28). If **Tap Method** (1 or 2) is not available, see page 46.

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

Block cursor indicates current highlighted character.



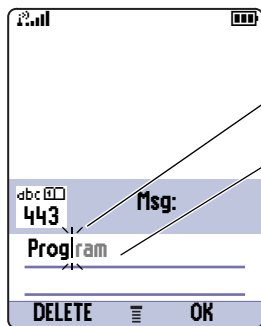
Press **OK** () to accept and store the text.

After 2 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.



When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:



Flashing cursor indicates insertion point.

In **Tap**, press  right to accept the word, or press  to reject it and enter a space after **prog**.

If you want a different word, such as **progress**, continue pressing number keys to enter the remaining characters.

Character Chart

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

	. ? ! @ ' - : ; () & 1 _ ~ , " 0 ı i % £ \$ ¥ ¤ € + x * ^ \ [] = > < # §
	a b c 2 ä å á à â ã æ α β ç
	d e f 3 δ ð é è ê ε φ
	g h i 4 ĩ î ï γ η ι
	j k l 5 κ λ
	m n o 6 ñ ö ø ó ò ô õ μ ν ω
	p q r s 7 π β σ

	t u v 8 θ ü ú ù û τ
	w x y z 9 ξ ψ
	<i>change text case, for capital letters</i>
	<i>enter a space (hold to enter a return)</i>
	<i>change text entry method (hold for default)</i>

Note: This chart may not reflect the exact character set on your phone. In an email address or URL editor,  shows the common characters for that editor first.

Tap Method Text Entry Rules

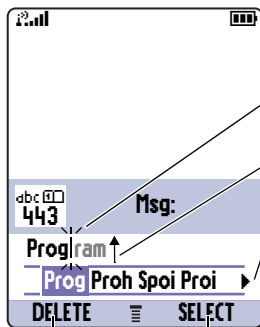
- Press a number key repeatedly to cycle through its characters. See the character chart on page 38.
- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. To force the character to lowercase while it is highlighted by the block cursor, press  down.
- Your phone may support multiple languages. The current language setting determines whether a new message begins on the left or right side of the display. You can switch languages within a message. Press  to select the text entry method and language.
- If you enter or edit information and do not want to save your changes, press  to exit without saving.



Using iTAP™ Text Entry Method

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

For example, if you press    , letter combinations that match your key presses appear:



Flashing cursor indicates insertion point.

Press  up to accept **Program**, or right to highlight another option. Press  to enter **Prog** and a space.

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

Press **SELECT** () to insert the highlighted word.

If you want a different word, such as **progress**, continue pressing number keys to enter the remaining characters.

Entering Words

In a text entry screen, you can press  to switch entry methods. An indicator tells you which method is active

(see page 28). If iTAP (TAP or TAP) is not available, see page 46.

Press	To
1 Number keys (one press per letter)	show possible letter combinations at the bottom of the display
2  right or left	highlight the combination you want
3 SELECT 	lock a highlighted combination You can press number keys to add more letters to the end of the combination. or  enter the highlighted combination when it spells a word A space appears after the word.



If you enter a word your phone does not recognize, your phone stores it to use as one of your word options. When you fill memory space for unrecognized words, your phone deletes the oldest words as you add new words.



Using the Symbol Entry Method

In a text-entry screen, press  to switch entry methods until you see the Symbol icon () in the status bar.

Press	To
1 Number keys (one press per symbol)	show possible symbol combinations at the bottom of the display
2  right or left	highlight the combination you want
3 SELECT 	lock a highlighted combination

You can press number keys to add more symbols to the end of the combination

or



enter the highlighted combination

A space appears after the combination.

Symbol Chart

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

	. ! ' : () 1 ~ " ¿ % \$ □ + * \ = # § < >] [/ x € ¥ £ ¡ 0 , _ & ; - @ ?
	@ _ \
	/ : ;

	" & '
	()[]{}
	!@~
	< > =
	\$ £ ¥ ¤ €
	# % *
	+ - x * / \ [] = > < # §
	<i>enter a space (hold to enter a return)</i>
	<i>change text entry method (hold for default)</i>

Note: In an email address or URL editor,  shows the common characters for that editor first.

Using the Numeric Method

In a text entry screen, press  to switch entry methods until you see the Numeric icon (123) in the status bar.

Press keypad keys to enter the numbers you want. When you finish entering numbers, press  to switch to another entry method.

Deleting Letters and Words

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

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



Copying, Cutting, and Pasting Text

Press  from a text entry screen to display these options:

Option	Description
Copy Text	tells your phone to copy the text you are about to highlight (see “Highlighting Text” below)
Copy All Text	copies all text in the editor
Cut Text	tells your phone to cut the text you are about to highlight (see “Highlighting Text” below)
Cut All Text	cuts all text in the editor
Paste	pastes the text you cut or copied
Undo	undoes the last copy, cut, or paste in the current text editor

Note: **Copy All Text** also appears in the menu (press ) when you are viewing details for a Phonebook entry, Datebook event, Browser page, Text Message, or Recent Calls entry.

Highlighting Text

In a text editor, to highlight and copy or cut text:

Find the Feature

 > **Copy Text** or **Cut Text**

Press

1 

To

scroll to the beginning of the text you want to copy or cut

Press	To
2 START 	turn on the highlighting marker
3 	scroll to the end of the text you want to copy or cut
4 COPY  or CUT 	copy or cut the text you selected You can now paste the text in another location or file.

Text remains on your clipboard, available to paste, until you copy or cut other text or until you turn off your phone.

Choosing a Text Entry Method

Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.

Press  in any text entry screen to change to one of the following entry methods:

- Primary** The primary text entry method you set up (see the next section).
- Numeric** (123) Enter numbers only.
- Symbol** (1@?) Enter symbols only (see page 42).
- Secondary** The secondary text entry method you set up (see the next section).

Press  in any text entry screen to change your entry case. An icon in the status bar indicates when you select



no capital letters (abc), next letter capital only (Abc), or all capital letters (ABC).

Setting Up a Text Entry Method

To set the primary or secondary text entry methods, press  > **Entry Setup** from any text entry screen. Select **Primary Setup** or **Secondary Setup**, and choose:

(None)

Hide the **Secondary** setting (only available for **Secondary Setup**).

iTAP

Let the phone predict each word as you press keys (see page 40).

Tap Method

Enter letters, numbers, and symbols by pressing a key 1 or more times (see page 36).

Locking and Unlocking Your Phone

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

When you try to use a locked phone, it prompts you for 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 page 66.

Locking Your Phone Manually

Find the Feature

 > Settings > Security
> Phone Lock > Lock Now

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

Setting 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



Unlocking Your Phone

At the **Enter Unlock Code** prompt:

Press	To
1 keypad keys	enter your four-digit unlock code If you forget your unlock code, see page 49.
2 OK ()	unlock your phone

Changing Your Unlock Code

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

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

Notes:

- Your service provider may retain your phone's security code for customer service purposes. In this case, you cannot use phone features that require 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 CHANGE ()	select the code or password
3 keypad keys	enter your old code If you forget your unlock code, see page 49.
4 OK ()	submit your old code
5 keypad keys	enter the new code
6 OK ()	assign the new code
7 keypad keys	re-enter the new code
8 OK ()	confirm the new code



If You Forget Your Unlock Code

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

If you forget your unlock code, try entering 1234 or the last four digits of your phone number. If that does not work, 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 OK 	submit your security code



Locking and Unlocking the Keypad

This feature prevents an accidental keypress from inadvertently dialing an emergency number or one-touch dial number (for example, when carrying your phone in a purse or pocket).

Press	To
 	lock or unlock keypad

Note: Incoming calls unlock the keypad.

Taking and Viewing Pictures

You can send pictures, sounds, shortcuts, bookmarks, events, and contacts to a connected computer. See page 146.

Taking Pictures

You can use your phone's camera key to take pictures quickly and easily.



Camera Key

Press	To
1 The camera key	display the camera's image.
Tips: • Press  left or right to switch cameras. • Press  up or down to zoom. • Press  for a menu of other camera options.	
2 The camera key	freeze the picture in your phone's display
3 STORE 	save the captured picture as a file, wallpaper, screen saver, or message attachment

To store a picture with a phone number, see page 95.

Downloading Pictures



You can download pictures and animations to your phone and use them as wallpaper or a screen saver.



Note: The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

To download a picture or animation from the micro-browser, see page 163. To download a picture or animation from a text message, see page 88.

Viewing Pictures

Find the Feature

 > **Multimedia** > **Pictures**

Press	To
1 	scroll to the picture
2 VIEW 	view the picture
3  up or down	view the previous/next picture
or	
DETAILS 	view picture information
or	
	open the Pictures Menu to perform other procedures as described in the following list

The **Pictures Menu** menu provides the following options:

Option	Description
Send	Insert selected picture in a new message.
New Picture	Capture a new picture.



Option	Description
New Slideshow	Create a slideshow from a series of stored pictures.
Set as Wallpaper	Set the picture as your phone's wallpaper image.
Set as Screen Saver	Set the picture as your phone's screen saver image.
Details	View picture information.
Rename	Rename the picture.
Delete	Delete the selected picture.
Delete All	Delete all pictures.
Setup	Open the setup menu to adjust picture settings.
Free Space	View memory space available for storing pictures.

To adjust your phone's wallpaper and screen saver images, see page 60.

Recording and Viewing Videos

Recording Videos

Find the Feature

 > **Multimedia** > **Videos**
> **[New Video]**

The image in the camera's viewfinder appears on your phone's display. To change cameras, press

 > **Internal View** (camera on the front of the phone) or **External View** (camera on the back of the phone).

Do This	To
1 Point your phone at the subject of the video	find the scene you want to record Note: Press  for a menu that lets you change the camera view or set the video quality, length, or sound.
2 Press 	zoom the image in and out
3 Press CAPTURE ()	start recording the scene in your phone's display Tip: Press  to zoom in and out during the video.
4 Press STOP ()	stop recording
5 Press STORE ()	save the captured video as a file or message attachment

Watching Videos

Find the Feature

 > **Multimedia** > **Videos**

Press	To
1 	scroll to the video
2 PLAY ()	view the video

Press	To
3 	control the video: ▲ pause ⏮ rewind or fast forward ▼ stop
or DETAILS 	view video information
or 	open the Videos Menu to perform other procedures as described in the following list

The **Videos Menu** includes the following options:

Option	Description
New Video	Capture a new video.
Details	View video information.
Rename	Rename the video.
Delete	Delete the selected video.
Delete All	Delete all videos.
Send	Insert selected video in a new message.
Setup	Change the settings for Auto Repeat , which tells your phone to play a video repeatedly until you stop it, and Timer , which shows a timer in your phone display.



Option	Description
Free Space	View memory space available for storing videos.

Making Video Calls

If you call someone else who has a video phone, you can see each other while you talk.



Press	To
1 keypad keys	dial the phone number (up to 32 digits)
2 	display the video call preview
3 	make the call
4  (end key)	end the call

Using AGPS Location Information



Your phone can use Assisted Global Positioning Service (AGPS) to tell the network where you are physically located.

Note: You cannot use your camera while your phone is checking your location.

Limitations of AGPS

Sometimes adequate signals from multiple satellites are unavailable, usually because your AGPS phone's antenna cannot establish a view of a wide area of open sky. In

these cases, the AGPS feature **will not work**. Such situations include, but are not limited to, the following:

- in underground locations
- inside of buildings, trains, or other covered vehicles
- under any other metal or concrete roof or structure
- between tall buildings or under dense tree cover
- near a powerful radio or television tower
- when your AGPS antenna is covered (for example, by your hand or other object) or facing the ground
- when there are temperature extremes outside the operating limits of the phone

Even where location information can be calculated in such situations, it may take more time than usual, and your location estimate may not be as accurate. Walking or driving very slowly may also substantially reduce AGPS performance.

Even where adequate signals from multiple satellites are available, your AGPS feature will provide only an approximate location, often within 150 feet (45 meters) but sometimes much farther from your actual location.

The satellites used by your phone's AGPS feature are controlled by the U.S. government and are subject to changes implemented in accordance with the Department of Defense AGPS user policy and the Federal Radio Navigation Plan. These changes may affect the performance of your phone's AGPS feature.



Hiding or Showing Location Information

When **AGPS Service** is turned **On**, services may use your known location to provide useful information (for example, driving directions, or the location of the nearest bank).

When **AGPS Service** is turned **Off**, it does not send location information.

For more details, or to turn your **AGPS Service On or Off**, contact your service provider.



Setting Up Your Phone

Storing Your Name and Phone Number



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

Find the Feature

 > Settings > Phone Status
> My Tel. Numbers

If you do not know your phone number, contact your service provider. To view your phone number from the home screen or during a call, see page 26.

Setting the Time and Date

You must set the time and date to use the datebook.

Find the Feature

 > Settings > Initial Setup
> Time and Date

Setting a Ring Style

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

The ring style indicator in your display shows the current ring style (see page 28).



To set a ring style

Find the Feature

 > **Settings** > **Ring Styles**
> **Style**
> *the profile you want*

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume. To change these settings, press  > **Ring Styles** > *style Detail*.

Notes:

- Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**. To turn off these vibrations, select

 > **Settings** > **Initial Setup** > **Haptics** > **Off**.

- Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.
- To turn off alerts for messages that arrive during a call, select  > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.

Setting a Wallpaper Image

You can set a picture or animation as a wallpaper (background) image in your phone's home screen.

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

Find the Feature

 > **Settings** > **Personalize**
> **Wallpaper**

Setting	Description
Picture	select the picture or animation for the background image in your home screen
Layout	select Center or Tile

Setting a Screen Saver Image

You can set a picture or animation as a screen saver image. The image is displayed when no activity is detected for a specified time period.

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

Find the Feature



> **Settings** > **Personalize**
> **Screen Saver**



Setting	Description
Picture	select the picture that appears in your home screen
Delay	select how long your phone must be inactive before the screen saver picture appears Note: If this setting is longer than your Display Timeout setting, then your display will turn off before you ever see the screen saver.

Note: Using a screen saver can reduce battery life.

Setting Display Contrast and Brightness

Find the Feature

 > Settings > Initial Setup
> Contrast or Brightness

Setting Display Color

You can select the color palette that your phone uses to display indicators, highlights, and soft key labels.

Find the Feature

 > Settings > Personalize
> Color Style
> *the style you want*

Note: To restore default colors, press  

“COLORS”

( +  +  +  +  +  +  + )

Setting the Display Backlight

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

Find the Feature

 > Settings > Initial Setup
> Backlight

Setting Your Display Timeout

This is a power-saving feature that turns off your phone's display when it is inactive for a selected time. Your display reactivates if you press a key or receive a call.

Find the Feature



> Settings > Initial Setup
> Display Timeout
> *selected time*

Conserving Battery Power

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

Find the Feature



> Settings > Initial Setup
> Battery Save



Calling Features

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

Changing the Active Line

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

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

Find the Feature

 > Settings > Phone Status
> Active Line

The active line indicator in the display shows the current active phone line. See page 28.

Redialing a Number

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

Using Automatic Redial

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



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

To turn automatic redial on or off:

Find the Feature

 > **Settings** > **Initial Setup**
> **Auto Redial**

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

Press	To
 or RETRY ()	activate automatic redial

Using Caller ID

Incoming Calls



Calling line identification (caller ID) displays the phone number for incoming calls.

The phone displays the caller's name when the name is stored in your phonebook.



Outgoing Calls



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

Find the Feature

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

You can override the default caller ID setting when you make a call. While dialing (with digits visible in the display), press  > **Hide ID/Show ID**

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
 or IGNORE ()	cancel the incoming call



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

Turning Off a Call Alert

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

Press	To
either volume key	turn off the alert

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911 or 112, that you can call under any circumstances, even when your phone is locked or the SIM card is not inserted. Your service provider can program additional emergency numbers into your SIM

card. *However, your SIM card must be inserted in your phone in order to use the numbers stored on it. See your service provider for additional information on this issue.*

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

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

Using AGPS During an Emergency Call



When you make an emergency call, your phone's assisted-Global Positioning System (AGPS) feature can calculate your approximate location and help emergency service personnel

find you.

Notes:

- This feature can work only if the emergency response center can receive and process location information. If you are concerned about whether your local emergency response center can receive AGPS location information, contact your local authorities.
- In order for the AGPS feature to work when making emergency calls, the service must be turned on. See page 58.



For best results, you should be located where your phone's antenna can establish a clear view of the open sky. This allows your phone to access AGPS satellite signals. Even under good conditions, it may take 30 seconds or more to determine your approximate location. This time increases and the accuracy of the results decreases with reduced access to satellite signals.

If your phone does not have adequate access to AGPS satellite signals, the location of the nearest cell tower in contact with your phone is automatically provided to the emergency response center.

Because of the limitations of the AGPS feature, always provide your best knowledge of your location to the emergency response center, just as you would when using a phone without AGPS capabilities. Also, remain on the phone for as long as the emergency response center instructs you.

Dialing International Numbers

To dial the local international access code:

Do This	To
Press and hold 	insert the international access code (+) for the country from which you are dialing

Viewing Recent Calls

Your phone keeps lists of the calls you recently received and dialed, even if the calls did not connect. The lists are

sorted from newest to oldest entries. The oldest entries are deleted as new ones are added.

Shortcut: Press  to go directly to the dialed calls list from the home screen.

Find the Feature

 > Recent Calls

Press	To
1 	scroll to Received Calls or Dialed Calls
2 SELECT ()	select Received Calls or Dialed Calls
3 	scroll to an entry you want to call, store, or delete
	Note: ✓ means the call connected.
or	
	make a video call to the entry's number
or	
	if View appears above the  key—view the entry's details
	if Store appears above the  key—store the entry's details in the phonebook
or	
	open the Last Calls Menu to perform other procedures as described in the following list



The **Last Calls Menu** can include the following options:

Option	Description
Store	Create a phonebook entry with the selected number in the No. field. (This option does not appear if STORE appears above the  key, or if the number is already stored as a phonebook entry.)
Delete	Delete the entry. (This option does not appear if DELETE appears above the  key.)
Delete All	Delete all entries in the current list.
Hide ID/Show ID	Hide (or show) your caller ID for the next call.
Add Digits	Add digits to the end of the selected number.
Attach Number	Attach another number from the phonebook or recent calls list to the end of the selected number.

Returning an Unanswered Call

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

- the  (missed call) indicator

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

Press	To
1  IEW	see the received calls list
2 	select a call to return
3 	make the call

Using the Notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the *notepad*. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature



> Recent Calls > Notepad

Press	To
 or 	call the number
or STORE 	open the Dialing Menu to attach a number or insert a special character
	create a phonebook entry with the number in the No. field



Attaching a Number

While dialing (with digits visible in the display):

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

Calling with Speed Dial

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

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

Calling with 1-Touch Dial

To call phonebook entries 2 through 9, press and hold the one-digit speed dial number for one second.

Note: Press and hold  to dial your voicemail number. To store your voicemail number, see page 73.

You must specify which phone number list you want to use with this feature: phone memory phonebook, fixed dial list, or SIM card phonebook:

Find the Feature

 > **Settings** > **Initial Setup**
> **1-Touch Dial**

Using Voicemail



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

Storing Your Voicemail Number

Storing your voicemail number in your phone makes it easy for you to listen to voicemail messages. Your service provider may have already done this for you.

Find the Feature

 > **Messages**
 > **VoiceMail Setup**

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

Note: You cannot store pause, wait, or n characters in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail. For more about these characters, see page 95.



Receiving a New Voicemail Message

When you receive a voicemail message, your phone displays  (voice message waiting) and **New VoiceMail**.

Press	To
CALL ()	listen to the message

Listening to a Voicemail Message

Find the Feature  > **Messages** > **Voicemail**

Shortcut: Press and hold  in the home screen.

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

Using Call Waiting



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

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

You must turn on call waiting to use the feature.

Find the Feature

 > **Settings** > **In-Call Setup**
> **Call Waiting**

Putting a Call on Hold

Do This	To
Press HOLD () (if available) or Press  > Hold	put a call on hold Your phone displays a  (flashing phone) indicator to indicate that the call is on hold.

Transferring a Call



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

Announce the Call Transfer

Find the Feature

 > **Hold**

Press	To
1 keypad keys	enter the phone number where you are transferring the call





Press	To
2 	dial the phone number Speak to the person who answers the target phone.
3 	open the menu
4 	scroll to Transfer
5 SELECT 	select Transfer
6 OK 	confirm the transfer

Do Not Announce the Call Transfer

Find the Feature



> **Transfer**

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

Messages and Email



Text, Email, Video, and MMS messages are brief messages that you can send and receive. Received messages appear on your display or in your message inbox.



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

Note: Your service provider may have already programmed the text message inbox settings for you.

Setting Up the Message Inbox

Find the Feature



> **Messages**



> *inbox to set up*

You can select **Text Msg Setup** (for text messages), **Email Msg Setup**, **Browser Msg Setup**, or **Info Srvc Setup**. See the following **Setup Options** tables.

Message Setup Options



Setting	Description
MMS Message Setup	change settings for Video Message and Multimedia messages See the table following this.
Service Center	select or edit a profile for the service center that handles your outgoing messages Each profile stores a service center's name, phone number, and message expiration period
Inbox View	select whether the inbox list shows message senders or subjects
Cleanup	the period of time that your phone waits before it deletes a message
Email Gateway	enter the gateway number

MMS Msg Setup Options

Setting	Description
Hide Fields	select which optional fields will not appear in your Message form
Autosignature	enter text to attach to the end of all of your messages



Setting	Description
Download	choose to download new messages automatically, or to Defer (see page 88)
Unread Only (IMAP setting)	choose to receive only unread messages
Receive Date Range (IMAP setting)	choose to receive only messages that arrived on specified days
Filter	select phone numbers and email addresses from which messages will automatically be deleted
Expire After	enter the expiration period—the number of days your network tries to resend unreceived messages
Reply Type	select the default type of replies you want to send—Video Message or Multimedia
Size Limit	set the maximum allowable size of an incoming message
Server Info	display the selected MMS Server

Email Msg Setup Options



Setting	Description
ISP Settings	select a GPRS or CSD Email connection, and change connection settings
Email Provider	select the provider name This changes Protocol , Host and Port settings (below) for sending and receiving Email
Protocol	select POP3 (stores Email on your phone) or IMAP (stores Email on the server)
User ID	your login User ID to send and receive Email
Password	your login Password to send and receive Email
Sending Host	IP or DNS server address for sending Email (such as mail.test.com)
Sending Port	port number for the sending host
Receiving Host	IP or DNS server address for receiving Email (such as pop.test.com)
Receiving Port	port number for the receiving host



Setting	Description
Return Address	the address where replies to your messages are sent (usually your Email address)
Name	name to appear on messages from you (such as Bob)
Cleanup	the period of time that your phone waits before it deletes a message
Save On Server	keeps copies of messages on the server (use a PC or other client to delete them on the server)
Email Notify	select whether your phone notifies you when you receive Email This has no effect if you set Check New Msgs to No.
Check New Msgs	select how often your phone checks for Email If you select No, you can only check for email using Send/Receive Mail (see page 88) or by opening your Email Messages inbox.
Hide Fields	select message information that should not appear when you create an email message



Setting	Description
Auto Signature	enter text to attach to the end of all of your messages
Unread Only (IMAP setting)	choose to receive only unread messages
Receive Date Range (IMAP setting)	choose to receive only messages that arrived on specified days
Attachments (IMAP setting)	select the attachment types you can receive
Size Restriction	set a size limit for Email messages Messages larger than the limit remain on the server. IMAP downloads all message headers.

Brwsr Msg Setup Options

These are the settings for the Browser messages sent by your service provider:

Setting	Description
Expire After	enter the expiration period—the number of days your network tries to resend unreceived messages
Cleanup	the period of time that your phone waits before it deletes a message



Setting	Description
Msg Notification	select whether your phone notifies you when you receive high priority and medium priority browser messages.
Service	select whether you want to receive all browser messages, only browser messages from one service center, or no browser messages

Info Srvc Setup Options

These are the settings for the Information Services messages sent by your service provider:

Setting	Description
Service	turn cell broadcasts on or off
Active Channels	edit the list of channels that send you messages
Languages	change the languages in which you accept messages Note: You cannot change Lang 1 . It is the language set in the Initial Setup menu.
Cleanup	the period of time that your phone waits before it deletes a message

Creating and Sending Messages



Note: Your message inbox must be set up before you can send and receive messages. See page 77.

You can send a text message to one or more recipients. You can manually enter each recipient's phone number or email address, or select numbers/addresses from the phonebook or recent call lists. You can also send a message to a Mailing List containing multiple addresses (see page 93 to create a Mailing List).

There are four different types of messages: **Text Message**, **Email**, **Video Message**, and **Multimedia**. For a description of the items in each message type, see page 86.

Shortcut: While dialing (with digits visible in the display), you can press  > **Send Message** to create a text message addressed to the number entered.

Find the Feature

 > **Messages**
> **Create Message**

Press	To
1 	scroll to New Text Message , New Email , New Video Message , or New Multimedia Message
2 SELECT 	select the type of message you want to send
3 keypad keys	complete the message contents (see the table after this procedure)

Press	To
4 DONE ()	finish the message Your phone displays Send Message Now?
5 YES () or NO ()	send the message choose to Send Later , Save to Drafts , or Discard Message Send Later stores the message in your Outbox , to send at a later time. Save to Drafts stores the message in your Drafts folder, where you can edit it and send it at a later time.



Message Contents

Note: You cannot send Email messages to phone numbers.



Item	Description
To (all message types)	one or more phone numbers or email addresses where you want to send the message Tip: Remember to press and hold  to add a space between numbers that you enter manually. You can press BROWSE  to select one or more phone numbers or email addresses from the phonebook or recent calls lists
CC (not for Text Messages)	phone numbers or email addresses where you want to send a carbon copy of the message
BCC (not for Text Messages)	phone numbers or email addresses where you want to send a blind carbon copy of the message (nobody can see their address, and they cannot see the other addresses)



Item	Description
Msg (all message types)	the text message you enter (to enter text, see page 35) or Multimedia you select To insert a picture or other object in Text, Email or Video messages, press:  > Insert > <i>object type</i> > <i>object</i> Note: Some files might have a lock that keeps you from forwarding them.
Subject (not for Text Messages)	the subject line of the message
Priority (not for Text Messages)	the message priority
Receipt (not for Text or Email Messages)	indicate if you want to receive a Delivery Report when the message arrives.

Viewing Message Status

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

✉ delivered

Receiving Messages

Note: You must set up the text message inbox before you can receive text messages. See page 77.

When your text message inbox is full, you must delete old messages before you can open new ones.

Your phone checks for new **Email** messages periodically, or whenever you select

 > **Messages**  > **Send/Receive Mail**

or else

 > **Messages** > **Email Msgs**

When you receive a new text 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 page 111). From the new message notification:

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



Press	To
DETAILS (⏏)	open message details (or a list of messages if there are more than one) When you are viewing message details, press DOWNLD (⏏) to download and read the message.
Note: DETAILS appears for MMS messages if Download is set to Defer (see page 79)	

Reading, Locking, or Deleting Messages

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

- | | |
|-------------------------------------|-----------------------------------|
| ☐ unread | ☑ read |
| ☐ unread with attachment | ☑ read with attachment |
| ☐ unread and urgent | ☑ read and locked |
| ☐ unread and urgent with attachment | ☑ read and locked with attachment |

Note: The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.

The oldest messages are deleted automatically as specified by the inbox **Cleanup** setting. If you want to save

a message, you should lock it to prevent it from being deleted during cleanup.



Find the Feature



> **Messages**
> **Message Inbox**

Press	To
1 	scroll to the message
2 READ ()	open the message
3 SAVE ()	close the message
or	
	make a voice call to the number in the message
or	
	make a video call to the number in the message
or	
DELETE ()	delete the message
or	
	open the Message Menu to perform other procedures

While reading a message, press  for these options:

Option	Description
Go To	Launch the micro-browser and go to a Web address (URL) embedded in the message.



Option	Description
Reply	Open a new text message, with the sender's Reply To number or email address in the To field.
Forward	Open a copy of the text message, with an empty To field.
Lock/Unlock	Lock or unlock the message.
Store	Display a list of items that can be stored, including the sender's number or email address, and a selected image or sound file.
Delete	Delete the message.
Delete All	Delete all inbox messages.
Delete Messages	Choose to delete only messages that are read, unread, or delivery reports.
Create Message	Open a new text message.
Setup	Open the text message inbox setup menu.

Note: To play attached sound files, press  to select the icon, then press **PLAY** (.

Setting Up Your Phonebook

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



To see the names in your phonebook, press  > **Phonebook** from the home screen. Scroll to a name and press  to call the entry or **VIEW** () to view entry details as shown below.

To show the entries in a category, see page 103.

Viewing Entry Details

Voice Name indicator indicates a recorded voice name

Entry's **Name**

Entry's **phone number, email address, or mailing list**

Type indicator identifies number type:

- Work
- Home
- Main
- Mobile
- Pager
- Email

Entry's speed dial number



Return to list

Press  to open the **Phonebook Menu**

Entry's ringer ID setting

Edit entry



Notes:

- Email entries, Mailing List entries, and entries stored on the SIM card do not have **Type**, **Voice Name**, or **Ringer ID** information.
- If the phonebook entry is a mailing list, list members are listed after the entry's name

Creating a Phonebook Entry

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

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

Enter Information

To create or edit a phonebook entry:

Find the Feature

 > **Phonebook**
 > **New** > **Phone Number** or
Email Address or
Mailing List



Shortcut: Enter a phone number in the home screen, then press **STORE** () to create a phonebook entry with the number in the **No.** field.

A phone number or email address is required for a phonebook entry. All other information is optional. You can enter the following information for a phonebook entry:

Phonebook Item	Description
Name	enter a name for the phonebook entry (to enter text, see page 35)
No., Email, or Members	enter the phone number or email address, or select phonebook entries to add as members of the mailing list
Type	scroll to the type of phone number (only for phone numbers not stored on the SIM)
Store To	choose to store the entry on the phone or the SIM card.



Phonebook Item	Description
Voice Name	record a voice name for the entry. See page 97.
Speed No.	change the number you use to <i>speed dial</i> the entry.
Category	scroll to the category that classifies the entry
Ringer ID 	change the ring tone for calls from this entry
Picture	choose a picture to appear for calls from this entry
More	create another entry with the same Name

Complete Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE 	store the entry and return to the phonebook list

Storing a PIN Code with a Phone Number

You can store a PIN code with the phone number for calls that require additional digits (for example, to make a calling card call, or to retrieve voicemail or answering

machine messages). While entering a phone number, press  and select:

Option	Description
Insert Pause	Your phone dials the preceding digits, waits for the call to connect, then sends the remaining digit(s). Note: If your network does not recognize the first pause character, try two (pp).
Insert Wait	Your phone dials the preceding digits, waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s).
Insert 'n'	Your phone prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the n character.

Notes:

- You can store a maximum of 32 digits per number for a phonebook entry stored on the phone. The maximum number may vary for entries stored on the SIM card. Each character counts as one digit.
- You cannot store numbers that contain a **w** or **n** character on the SIM card.

Recording a Voice Name For a Phonebook Entry

You can record a voice name for a new or existing phonebook entry. A voice name lets you call the phonebook entry using voice dial (see page 99).

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 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 VIEW 	display the entry's detailed view
3 Press EDIT 	edit the phonebook entry
4 Press 	scroll to Voice Name
5 Press RECORD 	begin the recording process The phone displays Press Record then say name.



Do This	To
6 Press RECORD  and say the entry's name (in two seconds)	record the voice name The phone displays Press Record then REPEAT name.
7 Press RECORD  and repeat the name	confirm the voice name The phone displays Trained: Voice Name.
8 Press DONE 	store the voice name

Dialing a Phonebook Entry

Use one of the following procedures to call a number (or send a text message to an email address) stored in your phonebook. To use speed dial or 1-touch dial, see pages 72 and 72.

Phonebook List

Find the Feature

 > Phonebook

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

Voice Dial

In your home screen:

Do This	To
1  Press and hold	activate the voice dial mechanism The phone displays Say Name Now.
2 Say the pre-recorded phonebook entry name	to select the entry to be dialed



Video Dial

Find the Feature



> **Phonebook**

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

Editing a Phonebook Entry

You can also use the following procedure to edit a fixed dial entry by selecting  > **Tools** > **Dialing Services** > **Fixed Dial**.

Find the Feature



> **Phonebook**



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

Edit the entry information described on page 94.

Tip: Press  to open the **Phonebook Menu** to perform various operations on the selected entry.

Deleting a Phonebook Entry

To delete an entry:

Find the Feature  > **Phonebook**

Press	To
1 	scroll to the entry you want to delete
2 	open the Phonebook Menu
3 	scroll to Delete
4 SELECT 	select Delete
5 YES 	confirm the deletion

Using Phonebook Categories



Phonebook categories let you use special ring tones and backlight colors for phonebook entries you classify as “Business,” “Personal,”

“General,” or other categories. Your phone and your UICC or SIM card both store each category you create.

Create or Edit a Category

Find the Feature

 > **Phonebook**
 > **Categories**

Press	To
1 	scroll to a category to edit (select any category if you are creating a new one)
2 	open the Categories menu
3 	scroll to New or Edit
4 SELECT 	select New or Edit
5 CHANGE 	select the category Name
6 keypad keys	enter the category name (to enter text, see page 35)
7 OK 	store the category name
8 CHANGE 	open the member list
9 	scroll to a phonebook entry you want to add or remove
Note: You cannot add entries stored on a SIM card.	
10 ADD  or REMOVE 	add an unchecked entry remove a checked entry
11 DONE 	close the member list





Press	To
12 CHANGE ()	select the category Ringer ID
13	scroll to the ringer ID to use for calls from category entries
14 SELECT ()	select the ringer ID
15 DONE ()	store the category and return to the phonebook list

Delete a Category

Find the Feature

> **Phonebook**
 > **Categories**

Press	To
1	scroll to the category
2	open the Categories menu
3	scroll to Delete
4 SELECT ()	delete the category
5 DONE ()	confirm the deletion

Reorder Categories

Find the Feature

> **Phonebook**
 > **Categories**
 > **Reorder List**

Press	To
1	scroll to the category you want to move

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

View Category Entries

You can select a category to show only its entries:

Find the Feature

 > **Phonebook**
 > **Categories**
 > *the category you want to see*

Sorting the Phonebook List

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

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

Find the Feature

 > **Phonebook**
 > **Setup > Sort By**

Press	To
1 	scroll to the order you want
2 SELECT ()	select the order you want



If you select **Speed No.**, **Voice Name**, or **Email**, the procedure is complete. If you select **Name**, you must specify whether you want to view all numbers or just the primary number for each name:

Press	To
3 CHANGE 	change view preference
4 	scroll to Primary Contacts or All Contacts
5 SELECT 	select the view preference
6 DONE 	set the view preference

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

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

Setting the Primary Number for a Phonebook Entry

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

Note: You cannot set a primary number for entries stored on a SIM card.

Find the Feature

 > Phonebook

Press	To
1 	scroll to the entry



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

Depending on how the phonebook list is sorted, the primary number is listed first, or is the only number that appears for a phonebook entry. See page 103.

Copying Phonebook Entries

You can copy entries from one position to another, such as from positions in your phone memory to positions in your SIM card memory.

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

Copy a Single Entry

Find the Feature  > **Phonebook**

Press	To
1 	scroll to the entry
2 	open the Phonebook Menu
3 	scroll to Copy Entry



Press	To
4 SELECT ()	select Copy Entry The phone displays the next available speed dial number.
5 keypad keys	edit the speed dial number
6 OK ()	copy the entry to the new speed dial location

Copy Multiple Entries

Find the Feature  > **Phonebook**

Press	To
1 	open the Phonebook Menu
2 	scroll to Copy Entries
3 SELECT ()	select Copy Entries
4 	scroll to From (start)
5 CHANGE ()	select From (start)
6 keypad keys	enter the low speed dial number for the range of entries you want to copy
7 OK ()	store the number
8 	scroll to From (end)
9 CHANGE ()	select From (end)
10 keypad keys	enter the high speed dial number for the range of entries you want to copy
11 OK ()	store the number

Press	To
12 	scroll to To (start)
13 CHANGE 	select To (start)
14 keypad keys	enter the low speed dial number for the entries' new location
15 OK 	store the number
16 DONE 	copy the entries

Checking Phonebook Capacity

You can check phonebook capacity to see how much space is left for storing phonebook entries on your phone and on the SIM card.

Find the Feature



> Phonebook

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



Setting 1-Touch Dial Preference

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

Find the Feature

 > Settings > Initial Setup

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

Sending an Entry

You can send pictures, sounds, bookmarks, events, and contacts to a connected computer. See page 146.

Synchronizing Your Phonebook

You can synchronize your phonebook entries with an Internet server using a wireless connection. See page 144. This synchronizes the **Category**, **Ringer ID**, **Icon ID**, and **Mailing List** information for each phonebook entry.

Personalizing Your Phone

Personalizing a Ring Style

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

Find the Feature

 > **Settings** > **Ring Styles**
> *style Detail*

style represents the current ring style.

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

Notes:

- Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**. To turn off these vibrations, select
 > **Settings** > **Initial Setup** > **Haptics** > **Off**.



- Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.
- To turn off alerts for messages that arrive during a call, select  > **Settings** > **In-Call Setup** > **Msg Alert** > **Not in Call**.

Activating Ringer IDs

When ringer IDs are turned on, your phone uses distinctive ringer alerts to notify you of incoming calls or messages from specific entries stored in your phonebook or specific categories of entries in your phonebook.

Note: To assign a ringer ID to a new or existing phonebook entry, see page 93.



Find the Feature

 > **Settings** > **Ring Styles**
> *style Detail*
> **Ringer IDs**

style represents the current ring style.

Press	To
1 	scroll to On or Off
2 SELECT 	select the option

Setting Ringer or Keypad Volume

Find the Feature

 > **Settings** > **Ring Styles**
> *style Detail*

style represents the current ring style.

Press	To
1 	scroll to Ring Volume or Key Volume
2  left or right	scroll to the desired volume
3 OK 	confirm the new volume

Setting Reminders

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



Turning Reminders On or Off

Find the Feature

 > **Settings** > **Ring Styles**
> *style Detail*
> **Reminders**

style represents the current ring style.

Press	To
1 	scroll to Beep or Vibrate to set the reminder alert type, or Off to turn off all reminders
2 OK 	select the reminder alert

Activating Haptic Vibrations

Some ring tones include vibrations. You can turn these vibrations on or off for your phone.

Find the Feature

 > Settings > Initial Setup
> Haptics > On or Off

If you turn on **Haptics**, your phone vibrates for some ring tones even when the ring style is not set to **Vibrate** or **Vibe&Ring**.

Note: Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > Settings > Java Settings.

Creating and Editing Alert Tones



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

Creating a Tone

Find the Feature

 > Settings > Ring Styles
> My Tones > [New Tone]

Press	To
1 CHANGE ()	select Notes
2 	enter notes for the tone (see the following section)
or	
keypad keys	

Press	To
3 OK ()	store the notes
4 CHANGE ()	select Name
5 keypad keys	enter the name for the tone
6 OK ()	store the name
7 DONE ()	store the tone

Entering Notes

Press  up or down to select a note in octaves 0-8.

Basic notes: c d e f g a b **Sharp Notes:** #c #d #f #g #a

You can also enter note details and rests. For example, ***2#g8r** plays a second-octave G sharp whole note followed by a rest. Press number keys repeatedly to cycle through the options in the following table.

Note Table

Key	Display	Description
	1	1/2 note, as in *4c1
	.	dotted note, as in *4c. which is 1 and 1/2 counts
	:	double dotted note, as in *1a: which is 1 and 3/4 counts
	;	2/3 length note, as in *1a; which is 2/3 of a count
	a	A note
	b	B note
	c	C note
	2	1/2 note, as in *4c2





Key	Display	Description
	d	D note
	e	E note
	f	F note
	3	1/8 note, as in *4c3
	g	G note
	4	1/16 note, as in *1c4
	5	1/32 note, as in *4c5
	6	sets octave six, as in *6
	r	inserts a rest (you can add length modifiers, such as r1)
	7	sets octave seven, as in *7
	8	sets octave eight, as in *8
	0	whole note, as in *4c0
	*	sets an octave when followed by 0-8, as in *4c for a C note in octave four
	#	sharp note, as in *4#c
	&	flat note, as in *4&d
	move cursor left	
	move cursor right	

Example

To create a simple tone, you can enter notes by pressing

⊙ up and down, and enter rests by pressing .

For example:

Press	To	Display
1 ⊙	scroll up to *4c , then wait for the highlight to disappear	*4c
2 ⊙	scroll up to *4d The phone adds a 2 after each note, to indicate it is a half note. To change the length, see page 113.	*4c2*4d
3 ⊙	scroll up to *4e	*4c2*4d2*4e
4 	enter a rest	*4c2*4d2*4e2r
5 ⊙	scroll down to *4c	*4c*4d*4er2*4c
6 	play the tone > Play All	

Editing a Tone

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

Find the Feature

 > Settings > Ring Styles
> My Tones



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

Deleting a Tone



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

Find the Feature

 > **Settings** > **Ring Styles**
> **My Tones**

Press	To
1 	scroll to the tone
2 	open the My Tones Menu
3 	scroll to Delete
4 SELECT 	select Delete
5 YES 	confirm the deletion

Downloading a Tone

You can download custom ring tones from the micro-browser application, or from a text message. To download tones from the micro-browser, see page 163. To download tones from a text message, see page 88.

Send Tones

You can send ring tones to other wireless phone users. To insert a tone in a text message, see page 84.

Personalizing Display Text



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

Find the Feature

 > Settings > Personalize
> Greeting



Setting the Menu View

You can set your phone to display the main menu as graphic icons (the default setting) or as a text-based list.

Find the Feature

 > Settings > Personalize
> Main Menu > View
> Icons or List

Personalizing the Menu

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

Note: The first nine items appear on the main menu, while the rest appear under the **Extras** (🔧) option on the main menu. You cannot move the **Extras** option.

Find the Feature

 > **Settings** > **Personalize**
> **Main Menu** > **Reorder**

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

Personalizing Home Screen

Change layout, clock, soft key labels, and menu feature icons in the home screen:

Find the Feature

 > **Settings** > **Personalize**
> **Home Screen**

You can set the following:

Feature	Description
Home Keys	Set the menu items that open when you press  or  or  up, down, left, or right in the home screen.

Feature	Description
Layout	Make the home screen text Left Justified or Centered
Clock	Choose a digital or analog clock to display in the home screen

Setting the Menu Language

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

Find the Feature

 > Settings > Initial Setup
> Language

Setting Menu Scroll Behavior

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

Find the Feature

 > Settings > Initial Setup
> Scroll

Resetting All Options

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

Find the Feature

 > Settings > Initial Setup
> Master Reset



Clearing All Stored Information

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

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

Find the Feature

 > Settings > Initial Setup
> Master Clear



Creating and Using Shortcuts

Shortcuts let you quickly access your favorite menu features. Your phone is pre-programmed with several shortcuts, but you can add more.

Standard Shortcuts

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

Press	To
	lock/unlock your keypad
	display your phone number
	go to the dialed calls list
	See page 68.

Press	To
	exit the menu system, return to the home screen

Adding Shortcuts

You can create a keypad shortcut to a menu item.

Do This	To
1 Press 	enter the menu system
2 Scroll to the item you want to add to Shortcuts	highlight the menu item
3 Press and hold 	open the shortcut editor The phone displays: Assign Shortcut for: <i>Item</i>? where <i>Item</i> is the name of the item you selected.
4 Press YES ()	view your options



Shortcut Options

Option	Description
Name	this name appears in the shortcut list
Key	the key you press to use the shortcut

Using Keypad Shortcuts

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

Selecting Shortcuts from the List

Find the Feature  > Tools > Shortcuts
> *Shortcut Name*

Edit or Delete a Shortcut

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

Find the Feature  > Tools > Shortcuts

Press	To
1 	scroll to the shortcut
2 	open the Shortcut Menu below

Shortcut Menu

Option	Description
Edit	Edit the shortcut.
Reorder List	Change the shortcut list order.
Delete	Delete the shortcut.
Delete All	Delete all shortcuts.



Getting More Out of Your Phone

Making a Conference Call



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

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

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

Forwarding a Call



Call forwarding sends your phone's incoming voice and/or video calls directly to another phone number.

Set Up or Cancel Call Forwarding

The call forwarding options are:

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

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

Press	To
1 	scroll to the type of calls you want to forward (Cancel All cancels all call forwarding and ends the procedure.)
2 SELECT 	open the call forward details for that call type



Press	To
3 	scroll to Forward
4 CHANGE 	change the Forward option
5 	scroll to the call forward option you want
6 SELECT 	store the option
7 	scroll to To (same for If Busy , If No Answer , or If Unreachable)
8 CHANGE 	change the phone number
9 keypad keys	enter the forwarding phone number
or	
BROWSE 	browse through your phonebook or other lists for the forwarding phone number
10 OK 	store the forwarding phone number

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

Check Call Forwarding Status

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

Find the Feature

 > **Settings** > **Call Forward**
 > **Forward Status**
 > *type of call*

TTY Operation



You can use an optional TTY device with your phone to send and receive calls. You must plug the TTY device into the phone's headset jack and set the phone to operate in 1 of 3 TTY modes.

Notes:

- Use a TSB-121 compliant cable (provided by the TTY manufacturer) to connect the TTY device to your phone.
- Set the phone volume to level 4 (middle setting) for proper operation. If you experience a high number of incorrect characters, adjust the volume as necessary to minimize the error rate.
- For optimal performance, your phone should be at least 12 inches (30 centimeters) away from the TTY device. Placing the phone too close to the TTY device may cause high error rates.

Setting TTY Mode

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



Find the Feature

 > **Settings > Initial Setup**
> **TTY Setup**

Press	To
1 	scroll to the TTY mode
2 SELECT 	select the TTY mode

The **TTY Setup** menu can include the following options:

Option	Description
TTY	Transmit and receive TTY characters.
UCO	Receive TTY characters but transmit by speaking into the microphone.
HCO	Transmit TTY characters but receive by listening to the earpiece.
Voice	Return to normal voice mode.

 When your phone is in a TTY call, the international TTY symbol and the TTY mode setting display. You can press **TTYMODE** () to open the **TTY Setup** menu.

Returning to Voice Mode

To return to normal voice mode, select **Voice** from the **TTY Setup** menu.

Using Fixed Dial



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

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.

Turning Fixed Dial On or Off

Find the Feature



> Settings > Security
> Fixed Dial

Using the Fixed Dial List

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

You must enter your SIM PIN2 code to edit fixed dial entries:

Find the Feature



> Tools > Dialing Services
> Fixed Dial

You create and edit fixed dial entries just like phonebook entries. Fixed dial list entries are stored on your SIM card and do not have **Type**, **Voice Name**, or **Ringer ID** fields.

Fast Menu



You can open pre-programmed Web pages or perform fun functions on your phone by selecting them from the **Fast Menu**.

Find the Feature



> Tools > Dialing Services
> Fast Menu



Using DTMF Tones

You can send numbers to the network as *dual tone multi-frequency* (DTMF) tones during a call. Use DTMF tones to communicate with automated systems that require you to submit a PIN code or credit card number.

Activate DTMF Tones

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

Find the Feature

 > **Settings** > **Initial Setup**
> **DTMF**

Send DTMF Tones

During a call, highlight a number in the phonebook or recent call lists, then:

Do This	To
Press  > Send Tones	send a number to the network as DTMF tones

Monitoring Phone Use

Viewing and Resetting Call Timers



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

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

To view a call timer:

Find the Feature



- > Recent Calls
- > Call Times
- > the timer you want

Select one of the following options:

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

To reset the call timer, press **RESET** () while viewing it.



Using Timers During a Call

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

Find the Feature



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

Select one of the following options:

Time	Display the approximate elapsed time for the current call.
Cost	Display the cost of the current call (if you subscribe to a call cost option or advice of charge).
Total Cost	Display the cost of all calls since the last time you reset the timer (if you subscribe to a call cost option or advice of charge).
Credit Available	Display how much credit you have left (if you subscribe to a call cost option or advice of charge).
Off	No in-call timer display.

Viewing and Resetting Cost Trackers

To view a cost tracker:



Find the Feature

 > **Recent Calls** > **Call Cost**

Press

To

1 

scroll to the cost tracker you want to view

2 **SELECT** 

view the recorded cost

Select one of the following options:

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



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

To reset the cost tracker:

Press	To
1 RESET ()	reset the cost (if available)
2 OK ()	enter your PIN2 code to confirm the reset

Using Hands Free Features



Your phone includes an integrated two-way speakerphone for all hands free applications. You can also purchase an optional Motorola Original™ Easy-Install or Pro-Install Hands

Free Kit for your car, or an optional Motorola Original phone headset. These accessories provide alternative ways for you to use your phone without using your hands.

Notes:

- When a hands free car kit or headset accessory is connected to your phone, the integrated speakerphone is disabled.

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

Automatic Answer

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

Find the Feature

-  > **Settings**
> **Car Settings** or
Headset
> **Auto Answer**

Ringer Setting

When you have a headset plugged in, this lets you choose whether you hear phone alerts in the **Speaker Only**, **Headset Only**, or the **Headset and Speaker**.

Find the Feature

-  > **Settings** > **Headset**
> **Ringer Options**

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** > **Car Settings**
> **Auto Handsfree**



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

Power-Off Delay

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

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

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

Find the Feature



> Settings > Car Settings
> Power-Off Delay

Press

To

1

scroll to the time delay

2 **SELECT**

confirm your selection



Charger Time

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

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

Find the Feature



> Settings > Car Settings
> Charger Time

Press	To
1 	scroll to the charge time
2 SELECT 	confirm your selection

Using Applications During a Call

During a call, you can easily switch to other phone features or make a new Data, Browser, or Voice Call connection:

Press	To
SWAP 	open a list of options

The list of options includes phone applications, such as **Phonebook** and **Datebook**. To start a new call, select **New Call** (this puts any current call on hold).

Connecting Your Phone to an External Device

You can connect your phone to a computer or hand-held device using a Bluetooth™ wireless connection, an infrared wireless link, a serial cable, or a USB cable.

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



Setting Up a Cable Connection

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

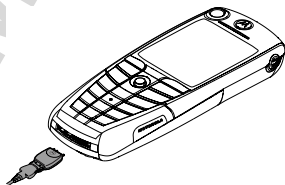
Note: Check your computer or hand-held device to determine the type of cable you need.

Attaching a Serial Cable

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

Do This

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

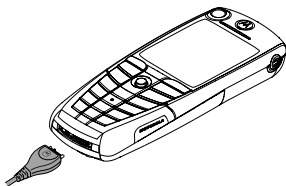


Note: To save phone power when using a serial cable, plug a charger into the charger slot on the cable head.

Attaching a USB Cable

Do This

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



Setting Up an Infrared Connection

Establish an infrared wireless data connection with an external device as follows.

Notes:

- This phone is classified as a Class 1 LED product and is considered safe under reasonable use.
- Your phone must be within one foot (30 centimeters) of the other device. Nothing can block the line of sight between the two devices.
- You cannot set up an infrared connection when a serial cable is attached to your phone.

Find the Feature

 > **Settings** > **Connection**
> **IrDA Link**



Press	To
START 	activate the infrared link

If the phone does not find an infrared-capable device, it changes the right soft key () from **STOP** to **START**.

Press	To
START 	try another connection

To break the infrared data connection, press **STOP** ()

You can also move the device away from the phone, turn off the device, or turn off the phone. If your phone moves away from a connected device while it is still on, it will try to re-connect for 30 seconds after the connection breaks.

Setting Up a Bluetooth Connection

Before connecting your phone to another Bluetooth device, set up the other device as described in its user guide.

For a PC, set up the Bluetooth accessory card, card drivers, and application software. If you want to use Dial-up Networking Services, configure them for the Bluetooth modem as described in the software and modem user guides.

Notes:

- Your phone must be within 33 feet (10 meters) of the other device. Nothing can block the line of sight between the two devices.

- You cannot set up a connection when a serial cable is attached to your phone.

Connecting a Computer for a Data Call

Prepare your computer to set up the Bluetooth connection, then make your phone available for the connection:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Setup**
> **Find Me**

You have 60 seconds to start the connection from your computer while your phone is available.

Tip: After the first connection with a device, you do not need to select **Find Me** to re-connect.

Connecting and Disconnecting a Headset

To connect an available Bluetooth headset device:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link**
> **Handsfree**
> *a device name*
or
[Look For Devices]

Your phone returns to the home screen, where a Bluetooth status bar icon indicates that you have a connection.

Tip: After the first connection with a headset, you can just open the headset to re-connect.



To disconnect:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link**
> **Handsfree**
> *the device name*

Turning Bluetooth On or Off

You can turn your phone's Bluetooth feature on or off:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Setup**
> **Power** > **On** or **Off**

Changing Your Phone's Bluetooth Name

You can assign a name to your phone, so that you can recognize it in the Bluetooth lists on other devices:

Find the Feature

 > **Settings** > **Connection**
> **Bluetooth Link** > **Setup**
> **Name**

Press

To

1 keypad keys enter a phone name

2 OK () store the new name

Data Calls

A Motorola Original™ data kit with a cable, a Bluetooth™ wireless connection, or an infrared wireless link lets you transfer data between your phone and a computer or other external device. You can:



- use your phone as a modem to connect to the Internet.
- use your phone to make and answer data calls on your computer or hand-held device.

Installing 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.

Note: This software is required to transfer data between your phone and an external device.

Making a Data Call

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

Connect your phone (see page 137) and do the following:

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



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

Receiving a Data Call

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

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

Transfer the Data

Connect your phone (see page 137).

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

End the Data Connection

When the data transfer is complete:



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

Using Sync

This feature lets you quickly synchronize your events and phonebook entries with an Internet server using a wireless connection.

Creating an Internet Sync Partner

To enter a computer as a Sync partner for your phone:

Find the Feature

 > **Settings** > **Connection**
> **Sync** > **[New Entry]**

Your phone opens a **Partner Details** list:

Detail	Description
Partner Name	A common name you assign to the computer (such as "Work server")
Server URL	The URL for the server (you can omit "http://")
User Name	Your user name for logging into the server
Password	Your password for logging into the server
(data) Path	The name of the folder, beneath the URL path, where your data is stored

Using an Internet Sync Partner

To start synchronizing with a Sync partner:

Find the Feature

 > **Settings** > **Connection**
> **Sync** > *partner name*

Your phone attempts a Sync connection with the URL, user name, and password you entered for the partner. This might take several minutes, if there are many entries to synchronize.



Sending Files from Your Phone

You can send pictures, sounds, bookmarks, events, and phonebook entries to a connected computer. Open the object you want to send on your phone, then:

Find the Feature



> **Send**

> *sending method*

If you choose IrDA or Bluetooth methods, this creates a wireless link that closes after the entry is sent. To set up a cable connection, see page 137.

Adjusting Network Settings



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

Find the Feature



> **Settings > Network**



Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature



> **Settings > Phone Status
> Battery Meter**

Viewing Phone Specifications

To view your phone's feature specifications:

Find the Feature



> Settings > Phone Status
> Other Information



PRELIMINARY

Personal Organizer Features

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 month or by the day, and have your phone play a reminder alarm for specific events.

Note: You must set the correct time and date in order to use the datebook (see page 59).

To schedule or review events:

Find the Feature

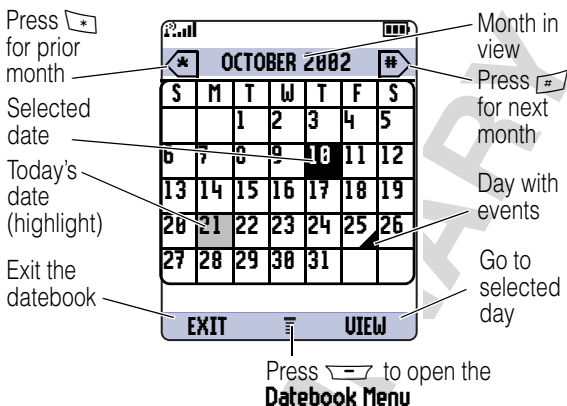


> Datebook



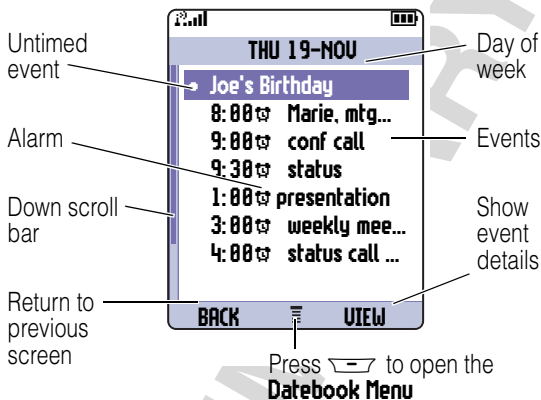
Viewing by the Month

Triangles next to each day indicate events.



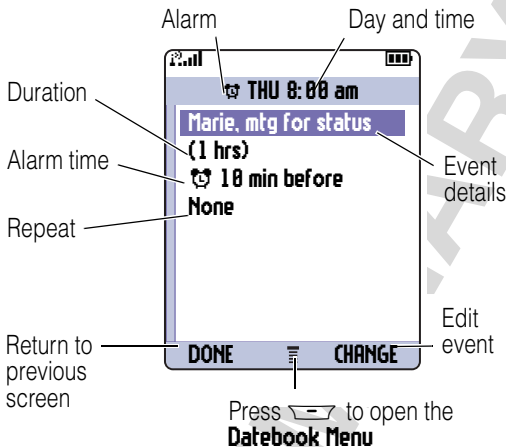
Viewing by the Day

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



Viewing by the Event

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.



Adding a New Event

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

Notes:

- You must create an event to use the reminder alarm.
- Your phone must be turned on for the reminder alarm to sound.

Find the Feature

📅 > **Datebook** > *day*
 📅 > **New** > **Event**





Press	To
1 CHANGE ()	select Title
2 keypad keys	enter a title for the event (to enter text, see page 35)
3 OK ()	store the event title
4 	scroll to other fields and enter information as necessary
	You can set start time, duration, date, repeating events, and reminder alarm.
5 DONE ()	store the event

Changing Event Information

Find the Feature  > **Datebook** > *day*
> *event*

Press	To
1 EDIT ()	edit the event
2 	scroll to the detail you want to change
3 CHANGE ()	edit the information
4 keypad keys	enter the new information
5 DONE ()	store the information and return to the day view

Copying an Event

Find the Feature  > **Datebook**

Press	To
1 	scroll to the day
2 VIEW 	display the day view
3 	scroll to the event to copy
4 	open the Menu
5 	scroll to Copy
6 SELECT 	copy the event
7 YES 	confirm the copy
Your phone assumes that you want to change the date, and displays the Date field.	
8 keypad keys	enter the date information
9  	move to the month, day, and year
10 DONE 	save the copy of the event
11 	scroll to event details and edit the information as necessary
12 DONE 	store the new event and return to the day view

Deleting an Event

Find the Feature

 > **Datebook**

Press	To
1 	scroll to the scheduled event day
2 VIEW 	display the day view



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

View and Dismiss an Event Reminder

When you set a reminder alarm for an event, the phone displays an event reminder and sounds a reminder alarm (to set change reminder settings, see page 111).

Press	To
VIEW 	view the event
or	Press  to scroll through the event details.
EXIT 	dismiss the reminder

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

Change the Datebook Setup

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

Find the Feature

 > **Datebook**
 > **Setup**

Sending an Event

You can send pictures, sounds, bookmarks, events and phonebook entries to a connected computer. See page 146.

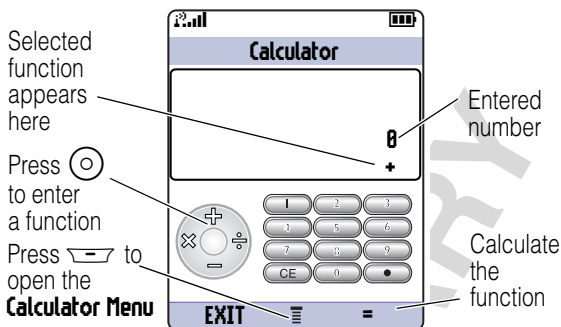
Calculator and Currency Converter

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

Find the Feature

 > **Tools** > **Calculator**





Press  to open the Calculator Menu functions:

Function	Description
MS	Store the displayed number in memory.
MC	Clear memory.
MR	Recall the value stored in memory.
%	Divide the displayed value by 100.
Convert Currency	Multiply the displayed value by the Exchange Rate you stored.
Exit	Exit the calculator.
Exchange Rate	Store an exchange rate to use with the Convert Currency menu option.





Locking the SIM Card

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

Find the Feature



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

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

Note: You can also activate your **PIN2** code, to protect secure applications such as Fixed Dial.

Unblock the SIM Card PIN Code

If you enter an incorrect SIM card PIN code three times in a row, your SIM card is disabled and your phone displays the message **SIM Blocked**. You need to enter a PIN unblocking key (PUK) code, which you can obtain from your service provider.



Note: In the following key sequence, each key press must occur within two seconds of the previous keypress.

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

Press	To
1	open the PIN unblocking editor Your phone prompts you to enter the PIN Unblock Sequence:
2 <i>PUK code</i> + OK () + <i>new PIN code</i> + OK () + <i>new PIN code</i> + OK ()	unlock the SIM card PIN features

Note: You can open the PIN2 unblocking editor by entering . Use the PUK2 code in place of the PUK code in the above procedure.

Locking and Unlocking Applications

You can lock many phone applications (for example, the phonebook) so that users must enter the unlock code to use them.

Find the Feature

 > **Settings** > **Security**
> **Lock Application**



Press	To
1 keypad keys	enter your four-digit unlock code
2 OK ()	open the lock applications menu
3 	scroll to the application you want to lock or unlock
4 CHANGE ()	select the application
5 	scroll to Locked or Unlocked
6 SELECT ()	select Locked or Unlocked

News and Entertainment

Mobile Internet



The Web micro-browser lets you access Web pages and Web-based applications (such as online banking, shopping, and games) on your phone. Contact your service provider to set up access, if necessary.

Notes:

- Some features on your phone might open a browser session automatically.
- Your phone may be configured to use a high-speed packet data network connection. This type of connection can be identified by a packet data status indicator at the top of your display. If a connected call indicator is displayed when you start a micro-browser session, your phone is using a standard voice channel connection. Your network connection charges may vary depending on the type of connection used.

Starting a Mobile Internet Session

Find the Feature



The micro-browser displays the programmed home page.

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

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

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



Interacting with Web Pages

Do This	To
Press  up or down	scroll through a page
Press 	open the Browser Menu
Press and hold 	store the current Web page as a Web Shortcut
Press  	lock your phone's keypad while downloading a file

The **Browser Menu** can include the following:

Option	Description
Home	Goes to the current Web Sessions home page.
Reload	Reloads the current page.
Go to URL	Lets you enter a Web page address.
Web Shortcuts	Displays Web Shortcuts
Store	Lets you store the current page, or an image, phone number, or Email address from the page.
Send	Lets you send the current Web page address.
History	Displays the pages you have visited, with the most recent on top.
Swap	Lets you switch between active calls.
View URL	Displays the current URL.
Advanced	Lets you reset the Web page cache.

Web Page Security

Your phone can provide secure Web pages connections for purchases or other transactions. Your phone uses three types of certificates to provide this security. It uses **Client** certificates to identify itself to Web pages. Your phone downloads **Server** certificates from servers and checks them against the **Root** certificate.

To view certificate details:

Find the Feature



> **Tools** > **WebAccess**
> **Browser** > **Security**
> *certificate type*



Your phone displays a list of the selected certificates. Select a certificate to view its details.

Note: Client certificates include a **Remove** option below their details list. Select this option to remove the certificate. A letter next to the client certificate name indicates if it is stored on the phone (**P**) or a SIM card (**C**).

Download Pictures and Sounds

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

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



Notes:

- The files that you download or receive as attachments might have a lock that keeps you from saving them on external memory, forwarding them, or editing them.
- If you receive a call during the download, press **SWAP** () to answer the call without ending the download.
 - To end a download in progress, press .

Storing a Picture or Animation File

Press	To
1 STORE ()	view storage options
2 	scroll to Store Only , Set As Wallpaper , or Set as Screen Saver
3 SELECT ()	select the option

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

Storing a Sound File

Press	To
1 STORE ()	view storage options
2 	scroll to Store Only or Set As Ring Tone



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

Note: Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**. To turn off these vibrations, press  > **Settings** > **Initial Setup** > **Haptics** > **Off**

Selecting or Creating a Web Session

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

Find the Feature

 > **Tools** > **WebAccess**
> **Web Sessions**

Contact your service provider to obtain Web session settings, if necessary.

Java Applications



You can install and run Java applications on your phone. These applications add new features and services to your phone.

Note: Java applications can use your phone's Assisted Global Positioning Service (AGPS) to tell where you are physically located. To turn AGPS on or off, see page 58.



Download an Application

Find the Feature



or



> **Browser**

Go to the page that contains the application, then:

Press	To
1	scroll to the application
2 SELECT (	view the application details
3 DOWNLOAD (	download the application

To end a download in progress, press .

Note: If you receive a call during the download, press **SWAP** () to answer the call without ending the download.

You may see one of the following error messages when you download a kJava application. This section describes some common problems and their solutions.

Problem	Resolution
Insufficient Storage or Memory Full	You must delete another Java application before storing the file. See page 168.
Application Already Exists	The same version of this application is already installed. If an older version is installed, the message Different Version Exists appears, and you can update the application.
Failed: Invalid File or Failed: File Corrupt	The application file does not work on your phone. Contact the Web site host for details.

Note: Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.

Launch a Java Application

Find the Feature

 > **Games & Apps**
> *the application*

Tip: You can create a shortcut to a Java application. Highlight the application, then press and hold  to create the shortcut. For more about shortcuts, see page 120.



Analyze or Delete a Java Application

Find the Feature



> Games & Apps

Press	To
1 	scroll to the application
2 	open the application manager menu
3 	scroll to a menu option
4 SELECT 	select the option to perform procedures as described in the following list

The application manager menu includes the following options:

Option	Description
View Details	Display the suite name, vendor, version, number of apps, flash usage, and memory requirements.
Delete	Delete the suite.
Show Memory or Hide Memory	Show or hide the application's memory size in the application list view.

View Java Version and Available Memory

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

Find the Feature

 > **Settings** > **Java Settings**
> **Java System**

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

Option	Displays
CLDC Version	The connected limited device configuration version on your phone.
MIDP Version	The mobile information device profile version on your phone.
Data Space	Memory available for application data (such as phonebook entries or game scores).
Program Space	Amount of free memory available for Java applications.
Heap Size	Amount of runtime memory available for Java applications.
Flash Space	Available space for Java applications, including free memory and used memory.



To automatically show an application's memory size in the application list view, see page 168.

Games

You can download Java games to your phone (see page 166). If you get an incoming call, message, alarm, or alert, the game ends automatically.

Note: Java applications can make your phone vibrate or light up. You can turn off **App Vibration** and **App Backlight** under  > **Settings** > **Java Settings**.

To open a game that is on your phone:

Find the Feature

 > **Games & Apps**

Press	To
1 	scroll to the game of your choice
2 SELECT ()	start the game

When the game is over:

Press	To
BACK () or NO ()	return to the games menu
NEW () or YES ()	start another session of the game you just played

SIM Applications



You can access information and applications stored on your SIM card.

To access the available applications:

Find the Feature



> **Tools**

> **SIM Applications**

Contact your service provider for more details.



Troubleshooting

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

Question	Answer
Is your battery charged? Do you see  in the display?	The battery level indicator should have at least one segment showing (). If it does not, recharge your battery. See pages 21 and 22.
Do you have a valid SIM card inserted in your phone?	If necessary, turn off your phone and make sure that you have inserted a valid SIM card (see page 19).
Does the handset have a signal? Do you see  in the display?	The signal strength indicator should have at least one segment showing (). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press the top of the  key.
Is the other party unable to hear you?	Your phone may be muted. Press UNMUTE () if necessary to unmute the phone. Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.

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

The following refer to specific problems:

Problem	Solution
My phone was stolen. To whom should I report this?	Report a stolen phone to the police and to your service provider (the company that sends you your monthly wireless service bill).
I forgot my password.	See page 49.
I pressed the end/power key, but nothing happened.	Be sure to press and hold  (the end/power key) until the display appears and you hear an audible alert (this could take a couple of seconds). If nothing happens, check that the battery is charged (see page 21.)





Problem	Solution
The display says: Insert SIM Card or Check SIM Card even though I have inserted my SIM card in the phone.	The SIM card may be incorrectly inserted. Check the SIM card to make sure that it is inserted properly (see page 19). Note: Be sure to turn your phone off and then back on after you re-insert the SIM card.
The display says: SIM Blocked. How do I unblock my SIM card?	Call your service provider (the company that sends you your monthly wireless service bill) to obtain the PIN unblocking key (PUK) code. See page 157.
The display says: Enter Unlock Code. How do I unlock my phone?	Enter the factory-preset unlock code (1234), or the last four digits of your phone number (see page 46). If this fails, call your service provider (the company that sends you your monthly wireless service bill).
My phone asks for an unlock code when I try to open a feature.	The application you want is locked. If you own the phone but do not know the unlock code, see page 49.

Problem	Solution
My phone does not ring.	If you see  or  in the display, then the ringer is turned off. To change the ring style, see page 59. Also, the ringer may be set to Silent even though your phone is set to a ring alert profile.
My phone rings even though I selected the Silent (or Vibrate) alert profile.	The ringer may be set to play a tone even though your phone is set to a silent alert profile. To change the ring style, see page 59.
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.





Problem	Solution
I cannot make/answer calls.	Make sure that you have a phone signal (see the “Signal Strength Indicator” item on page 28). Avoid electrical or radio interference, and obstructions such as bridges, parking garages, or tall buildings. Your phone also may have the Call Barring feature turned on. If you know the unlock code, you can change this setting in the security menu ( > Settings > Security). Also, check to be sure your SIM card is installed and working.
My phone has poor reception and drops calls.	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.
The display says: Data Calls Only.	You are in an area where the network does not support voice calls. You can only make data calls until you move to another network.

Problem	Solution
I cannot hear others on my phone.	While on a call, press the volume key on the left side of your phone. Your phone display should show the volume increasing. Also, make sure that your phone's earpiece is not blocked by its carrying case.
I cannot open my inbox.	Before you can use text messages, you must set up the appropriate inbox. See page 77.
How do I see the calls I sent or received?	To see the most recent calls you dialed or received, open the "Recent Calls" lists:  > Recent Calls > Received Calls or > Dialed Calls





Problem	Solution
My phone will not dial voicemail commands, passwords, or other codes.	Your phone sends commands and passwords as DTMF tones. You can set your phone's DTMF tones to be Long, Short, or Off. If you have trouble sending numbers, check your DTMF setting. From the home screen, press:  > Settings > Initial Setup > DTMF Press  to scroll to Long or Short. Press SELECT () to select it.
What can I do to extend battery life?	Your battery's performance is affected by charge time, feature use, temperature changes, and other factors. For tips on extending your battery life, see page 22.
My TTY device doesn't work with my phone.	Your phone must be set to a TTY mode for the phone to detect your TTY device (see page 127).

Problem	Solution
I plugged the data cable into my phone but my phone did not beep. How do I know if the data cable is ready to go?	The beep indicates that you are set up correctly. If you did not hear a beep, make sure that both ends of the data cable are connected—the smaller end to your phone and the larger end to your computer. Finally, your computer may have deactivated the port to save power. Try opening an application that uses the port, like a dial-up application, and your computer will automatically activate the port.
My phone beeped when I attached the data cable, but my data applications don't work.	Some wireless networks may not support data transmission. If you are roaming on an unfamiliar network, this may be the case. Also, remember that data transmission usually requires a subscription. Call your service provider for more information.





Problem	Solution
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone in a standard CSD (Circuit Switch Data) connection. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps. A GPRS connection may have a higher data transfer rate.
I can't end my data call by closing the application on my computer. What can I do?	Try pressing  on your phone. Also try disconnecting the cable or turning off the phone. If possible, always close the connection through your computer. These alternative methods may disrupt the application on your computer.
I launched the micro-browser but the display says: Service Not Available.	You may be in an area without service, or you may be connected to a network that does not support Internet access.

Problem	Solution
I launched the micro-browser but the display says: Data Server Unavailable.	Try again in a few minutes. The servers may be temporarily busy.



Specific Absorption Rate Data

This model phone meets the international standards for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.¹ Tests for SAR are conducted in accordance with CENELEC² testing procedures using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is ____ W/kg.³

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

product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

1. The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.
2. CENELEC is a European Union standards body.
3. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Consumer Information on Wireless Phones from the FDA



The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode.

Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

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

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a

case, FDA could require the manufacturers of wireless 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, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

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

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

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 you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by

children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do handsfree kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that handsfree kits reduce risks. Handsfree kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “handsfree” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) *charged two companies* that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

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

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

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

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

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

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

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

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

Software

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

Exclusions

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

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

Who is Covered?

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

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

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

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

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF

THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

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

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Product Registration

Online Product Registration:

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

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

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

Thank you for choosing a Motorola product.

Export Law Assurances

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

RF Energy Interference

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful

interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Wireless: The New Recyclable

Your wireless phone can be recycled. Recycling your wireless phone reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life wireless devices.

As a wireless phone user, you have an important role in ensuring that this phone is recycled properly. When it comes time to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy.

To learn more about CTIA's Recycling Program for Used Wireless Devices in the United States, including information on where to recycle wireless devices near you, please visit www.recyclewirelessphones.com

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PRELIMINARY



MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

phone with one of the many Motorola Original™ hands-free accessories available today.



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



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

* Wherever wireless phone service is available.

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



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

