INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:

EXHIBIT 8

Welcome

Earpiece

Left Soft Key
Perform functions identified by left display prompt.

Right Soft Key
Perform functions identified by right display prompt.

Menu Key
Open a menu when ☰ appears.

Send/Answer Key
Make and answer calls; press in idle to see recent dialed calls.

Power/End Key
Press & hold to turn phone on & off.
Press & release to end phone calls, exit menu.

Navigation Key
Scroll through lists, set volume.

Microphone

Power Connector
Insert charger.

Headset Connector

USB Connector
Insert data cable.

You can change your C340 Series phone's covers and keypads (see "Changing Your Phone's Cover" on page 18). Your phone may not appear exactly as the phone image above.

All key locations, sequences and functions remain the same with any of the various covers.

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Menu Map

Main Menu

This is the standard main menu layout. **Menu organization and feature names may vary on your phone.** Not all features may be available for all users.

Recent Calls
- Received Calls
- Dialed Calls
- Notepad
- Call Times

Phonebook

Datebook

Messages
- Voicemail
- Create Message
- Inbox
- Outbox
- Quick Notes
- Drafts
- Message Settings
- Cleanup Messages

Ring Styles

Shortcuts

Settings
(see next page)

Get It Now
- Get It Now Shop

Browser
- Home
- Go To URL
- Mark Site
- Reload
- About Openwave
- Advanced

More

Calculator

Picture Viewer

Shortcuts
Change display zoom: Press ⊜, then press and hold ⊜
Change ringer alert: Press ◉ down to switch to silent alert. Press up to reset to ring alert.
Display my phone number: Press ⊜ #
Display dialed calls list: Press 📞
Exit menu system: Press 🔚

Settings Menu

- **Ring Styles**
  - Style
  - *Style* Detail
  - My Tones
- **Phone Status**
  - My Tel. Numbers
  - Active Line
  - Battery Meter
  - Other Information
- **Browser Setup**
- **Connection**
  - Incoming Call
- **In-Call Setup**
  - In-Call Timer
  - Answer Options
- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Restrict Calls
  - New Passwords
- **Location**

- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Color Style
    - Greeting
    - Wallpaper
    - Screen Saver
    - Banner
  - Initial Setup
    - Time and Date
    - Auto PIN Dial
    - Auto Redial
    - Backlight
    - Zoom
    - TTY Setup
    - Scroll
    - Animation
    - Language
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
    - Current Network
    - Set Mode
    - Srvc Status
    - Service Tone
    - Call Drop Tone
  - Car Settings
    - Auto Answer
    - Auto Handsfree
    - Power-Off Delay
    - Charger Time
  - Headset

Contents

Safety and General Information

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

The information provided in this document supersedes the general safety information in user 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, where 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 antenna, 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 hands-free 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, unless it is a phone type especially qualified for use in such areas and certified as "Intrinsically Safe." Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas
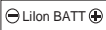
To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in

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.
⚠ (no fire)	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.
🗑 (crossed out)	Your battery or phone should not be thrown in the trash.
⊖ LiIon BATT ⊕	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking 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

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playing video games on your phone or enabling a blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate blinking 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 blinking-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.

Getting Started

What's in the Box?

Your wireless phone typically comes with a battery and a charger. Optional accessories can customize your phone for maximum performance and portability.

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

About this Guide

Optional Features

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

Optional Accessories

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

Installing the Battery

Install and charge the battery before you use your phone.

CAUTION: This phone comes with a 750 mAh (milliamp hours) battery and should be used only with Motorola Original batteries rated at 750 mAh or 1100 mAh. Use of any other battery could affect the performance of the phone and could also cause the phone to become noncompliant with the Specific Absorption Rate levels established by the FCC's Radiofrequency Exposure Guidelines.

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.

To Install the Battery

1 Remove the phone's back cover as described in "Changing Your Phone's Cover" on page 18.

2 Remove the battery from its protective clear plastic case.

3 Insert the battery, printed arrow first, **under the tabs** at the bottom of the battery compartment and push down.

4 Replace the phone's cover.
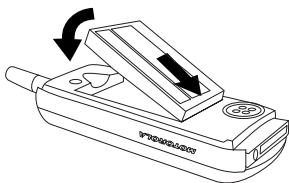
Charging the Battery

Before you can use your phone, fully charge the battery as follows. Some batteries perform best after several full charge/discharge cycles.

To Charge the Battery

1 Plug the charger into the left jack on the bottom of your phone.

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

3 When your phone indicates **Charge Complete**, remove the charger.

When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete. See "Battery Level Indicator" on page 23.

Battery Use

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

To maximize battery performance:

- Always use Motorola Original™ battery chargers. The phone warranty does not cover damage caused from using non-Motorola battery chargers.

- New batteries or batteries that have been stored for a long time may require a longer initial charge time.

  - Keep 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 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 buy 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.

Changing Your Phone's Cover

Since you can change your C330 Series phone's covers and keypads, it may not appear exactly as the phone pictured. All key locations, sequences, and functions remain the same with any of the covers.

Important: To maintain compliance with FCC RF exposure guidelines, use only the housings supplied by

Motorola with your C330 series CDMA phone, or a housing approved by Motorola for use with your CDMA phone. Use of housings not supplied by Motorola, or not approved by Motorola for use with your C330 series CDMA phone, may cause the phone-housing combination to exceed FCC RF exposure guidelines.

Removing a Cover and Keypad

Do This
1 Press down on the cover release button at the top of your phone.
2 Pull the top of the phone's back cover to release it.

Release button
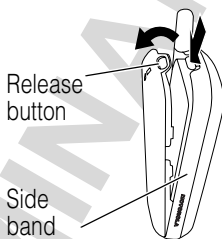
Side band

Note: If the cover has a removable side band, remove it at this point.

3 Pull the side tabs away from the phone, then
4 Lift up on the bottom of the phone to pull it out of the front cover.

Side tabs
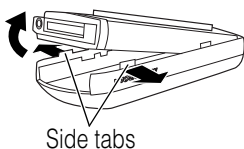
Note: Always use Motorola Original™ covers. The phone warranty does not cover damage caused from using non-Motorola accessories.

Installing a Cover and Keypad

Always use the keypad and side band (if applicable) that matches the new cover.

Do This

Note: If your phone has an end cap, install it before attaching the front cover.

1 Place the keypad in the new front cover and slide the top of the phone into the top of the new front cover.
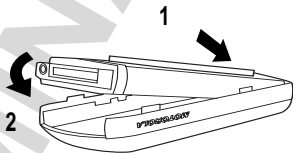
2 Press the bottom of the phone into the front cover until the side tabs snap into place.

Note: If the cover has a removable side band, attach it at this point.

3 Insert the bottom of the back cover.

4 Press the top of the back cover down until it hooks over the cover release button.
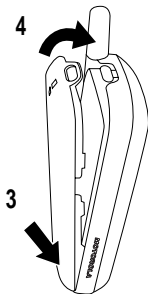
Turning Your Phone On

To Turn Your Phone On

1 Press and hold $\boxed{\odot}$ (the
End/Power key)

End/
Power Key

2 If necessary, enter your four-digit unlock code
and press **OK** ($\boxed{\cdot}$) to unlock your phone

Note: The unlock code is originally set to 1234.
(For more information, see "Locking and
Unlocking Your Phone" on page 37.)

Adjusting the Volume

Press right and left on the $\textcircled{\scriptsize{\textcircled{}}}$ to:

- increase or decrease earpiece volume during a call

- increase or decrease the ringer volume setting when
the idle display is visible

  Tip: At the lowest volume setting, press $\textcircled{\scriptsize{\textcircled{}}}$ down to
activate silent alert. Press up to reset ring alert.

- Turn off an incoming call alert

Making a Call

Do not block the antenna while you are on a call.

	Press	To
1	keypad keys	dial the phone number
		Tip: If you make a mistake, press **DELETE** (⌨) to delete the last digit. Holding **DELETE** (⌨) clears all digits.
2	📞	make the call
3	📵	end the call and "hang up" the phone when you are finished

Answering a Call

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

	Press	To
1	📞 or **ANSWER** (⌨)	answer the call
2	📵	end the call and "hang up" the phone when you are finished

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

Viewing Your Phone Number

Press ⊜ ⌗ to view your number from idle. 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 *idle display* (shown below) is the standard display when you are *not* on a call or using the menu.

Clock

PH.BOOK ≡ MESSAGE

Menu Indicator
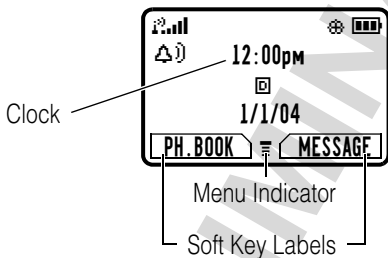
Soft Key Labels

The ≡ (menu) indicator at the bottom center of the display indicates you can press the menu key (≡) to go to the main menu to see more features.

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 a number of status indicators:

❸ In Use Indicator

❷ Digital Signal Indicator

❹ Roam Indicator

❺ Message Waiting Indicator

❻ Voice Message Waiting Indicator

❶ Signal Strength Indicator

❼ Battery Level Indicator

❽ Active Line Indicator

❿ Ring Style Indicator

❾ ALI Indicator

12:00pm

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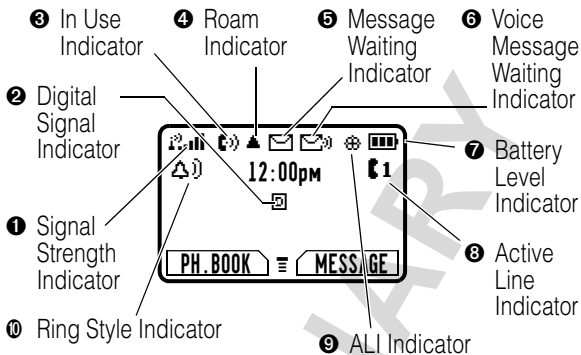
❶ Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls when the ⁱ⁾ (no signal) indicator is displayed.

❷ Digital Signal Indicator Shows when you are receiving a digital signal.

❸ In Use Indicator Shows that a call is in progress.

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

❺ Message Waiting Indicator Displays when you receive a text message.

⑥ Voice Message Waiting Indicator Appears when you receive a voicemail message.

⑨ ALI Indicator Shows the status of the *automatic location information* feature:

⊛ऽ = ALI on ⊛ = ALI off

⑦ Battery Level Indicator Vertical bars show the battery charge level. Recharge the battery when you see **Low Battery** and hear the low battery alert.

⑧ Active Line Indicator Shows the current active phone line.

⑩ Ring Style Indicator Shows the ring style setting.

△𝄞 = loud △» = soft

⁑ᴅ⁑ = vibrate ⁑△ = vibrate and ring

△ᶻᶻ = silent

Using the 4-Way Navigation Key

Use the 4-way navigation key like a joystick to navigate the menu system, change feature settings, and play games.

4-way navigation 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 Menus

From the idle display, press $\circledast$ to display the main menu.

Left Soft Key
Perform functions identified by left display prompt.

Menu Key

Power/End Key
Press & hold to power phone on & off.
Press & release to end phone calls and exit menus.

Right Soft Key
Perform functions identified by right display prompt.

Send/Answer Key
Make and answer calls & view recent dialed calls.

Navigation Key
Scroll through menus and lists, and set feature values.
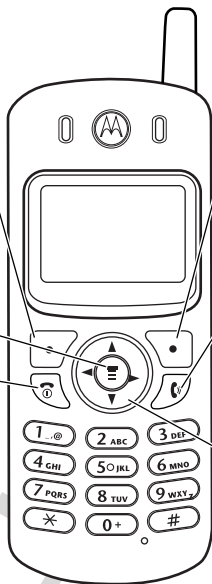
Select a Menu Feature

From the idle display, select a menu feature as follows:

Find the Feature $\circledast$ > Messages
                           > Create Message

This example shows that from the idle display, you must press $\circledast$, scroll to and select **Messages** from the main menu, then scroll to and select **Create Message**. Use $\circledcirc$

to scroll, and use the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Select a Feature Option

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

Press **BACK** ($\boxdot$) to display the previous screen.

Dialed Calls
10) John Smith
9) Mary Smith

BACK $\equiv$ VIEW
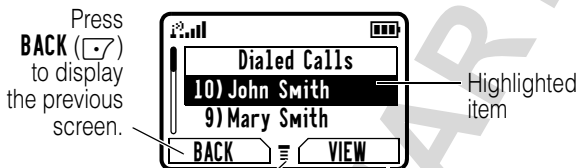
Highlighted item

Press $\circledcirc$ to open the sub-menu.

Press **VIEW** ($\boxdot$) to display details for the highlighted item

- Press $\circledcirc$ to scroll up or down to highlight an item.

- In a numbered list, press a number key to highlight the item.

- In an alphabetized 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 $\circledcirc$ 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 Text

Some features require you to enter information:

Press $\odot$ to scroll down.

Entry Details
Name:_____
No.:_____
CANCEL ☰ CHANGE

Highlighted item

Press **CANCEL** ($\boxed{\cdot}$) to exit without making changes. **DONE** ($\boxed{\cdot}$) displays when you enter or edit information.

Press **CHANGE** ($\boxed{\cdot}$) to edit the information.
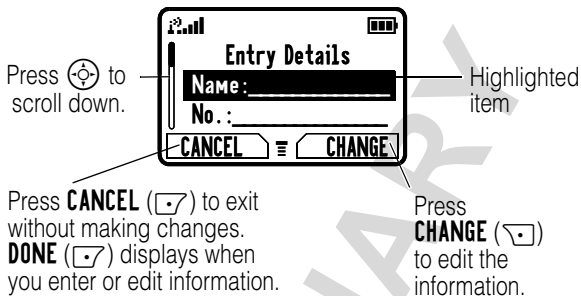
The message center lets you compose and send text messages. A *flashing cursor* shows where text will appear:

Flashing cursor

Msg:
_____
_____
CANCEL ☰ INSERT

Press **INSERT** ($\boxed{\cdot}$) to view and insert a quick note.

Press **CANCEL** ($\boxed{\cdot}$) to exit without making changes.

Press $\textcircled{\equiv}$ to open the sub-menu.

Learning to Use Your Phone

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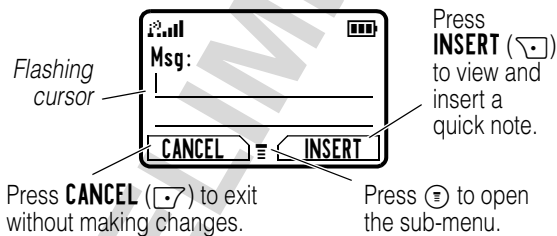
When you enter text using the standard tap method (see page 30), the flashing cursor changes to a *block cursor*, and the soft key functions change:

Block cursor indicates current highlighted character.

After 2 seconds, the block cursor reverts to a flashing cursor and moves to the next position.
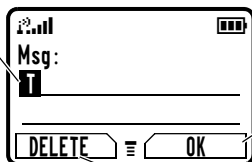
Press **OK** ($\boxed{\cdot}$) to accept and store the text.

Press **DELETE** ($\boxed{\cdot}$) to clear the last letter.

```
 ?..ll                    (...)
Msg:
█
──────────────────
 DELETE   ≡    OK
```

Choosing a Text Mode

Multiple text entry modes make it easy for you to enter names, numbers, and messages.

Press $\textcircled{\scriptsize\equiv}$ from any text entry screen to select a text mode:

iTAP   Let the phone predict each word as you
(it⊞)   enter it (see page 32).

Tap Method Enter letters, numbers, and symbols by
(T✦)   pressing a key one or more times (see
            page 30).

Numeric   Enter numbers only.
(12)

Symbol   Enter symbols only (see page 36).
(@)

Note: The text mode you select remains active until you select another mode.

Using Tap Method

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

Press $\textcircled{\scriptsize{?}}$ from a text entry screen and select **Tap Method**.

	Press	To
1	A number key 1 or more times	select a letter, number, or symbol shown in the "Character Chart" on page 32
2	Number keys	enter the remaining characters
3	OK ($\boxed{\cdot}$)	store the text

Tap Method Text Entry Rules

- Press a number key repeatedly to cycle through its characters. See "Character Chart" on page 32.

- 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 $\textcircled{\scriptsize{\diamond}}$ 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. Press $\textcircled{\scriptsize{\diamond}}$ down to force the character to lowercase while it is highlighted by the block cursor.

- Your phone may support multiple languages. The current language setting determines whether a new message begins on the left or right side of the display.

  You can switch languages within a message. Press $\textcircled{=}$ to select the text mode and language you want to use.

- If you enter or edit information and do not want to save your changes, press $\textcircled{>}$ to exit without saving.

- Press and hold a number key to cycle between tap method and numeric text entry mode.

Character Chart

Use this chart as a guide for entering characters with the tap method.

(1.@)	space . 1 ? ! , @ _ & ~ : ; " - ( ) ' ¿ ¡ % £ $ ¥ ¤ €
(2abc)	a b c 2 ä å á à â ã ά α β ç
(3def)	d e f 3 δ ë é è ê ε φ
(4ghi)	g h i 4 ï í î γ η ι
(5○jkl)	j k l 5 κ λ
(6mno)	m n o 6 ñ ö ø ó ò ô õ μ υ ω
(7pqrs)	p q r s 7 π ß σ
(8tuv)	t u v 8 θ ü ú ù û τ
(9wxyz)	w x y z 9 ξ ψ
(0+)	+ - 0 x * / \ [ ] = > < # §

Note: This chart may not reflect the exact character set available on your phone.

Using iTAP™ Software Text Entry Method

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

Press ⑤ from any text entry screen and select **iTAP**.

Note: You can switch languages within a message in iTAP text mode. Press ⑤ to select the language.

Learning to Use Your Phone

Entering Words

Do This	To
1 Press a number key one time	enter the first letter of the word
	The letters associated with the key are shown at the bottom of the display.
2 Press number keys (one per letter)	enter the rest of the word
	Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.
3 Press ⊙	highlight the word you want
4 Press **SELECT** (⌐)	enter the word at the flashing cursor
	A space is automatically inserted after the word.

For example, to spell the word "art," press $\boxed{2_{ABC}}$ $\boxed{7_{PQRS}}$ $\boxed{8_{TUV}}$. The display shows:

Flashing cursor indicates insertion point.

Art Apt Cpu Cst Cru ⬇

Press ⬅⬆➡ to see additional word choices.

Press **DELETE** ($\boxed{\cdot\diagup}$) to clear the last letter.

Press **SELECT** ($\boxed{\diagdown\cdot}$) to insert the highlighted word.
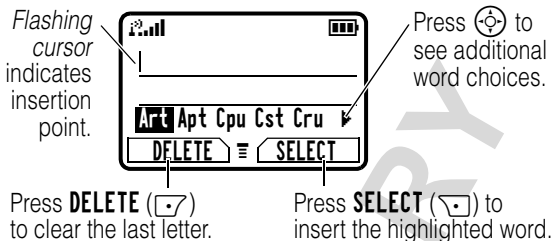
Entering Novel Words

If the word you want is not displayed by the iTAP software:

Do This	To
1 Press **DELETE** ($\boxed{\cdot\diagup}$) one or more times	delete letters until you see a letter combination that matches the start of the word
2 Press ⬅⬆➡ left or right	highlight the letter or letter combination
3 Press **SELECT** ($\boxed{\diagdown\cdot}$), then press ⬅⬆➡ to the left	shift the cursor to the left and "lock" the selected word portion
4 Continue to enter letters and highlight letter combinations	spell the word

Entering Punctuation

Press	To
⓪ or ①	enter punctuation or other characters (see "Character Chart" on page 32).

Using Capitalization

The first word of a sentence is automatically capitalized, with the words that follow in lowercase.

Press	To
◉ up or down	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Entering Numbers

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

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

Using Symbol Mode

To enter symbol characters in a message, press ⊜ from any text entry screen and select **Symbol**.

	Do This	To
1	Press a number key one time	display its symbol options at the bottom of the display
		See "Symbol Chart" on page 37.
2	Press ⊙	highlight the symbol you want
	or	
	Press the number key repeatedly	
3	Press **SELECT** (⬚)	enter the symbol

Symbol Chart

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

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

Locking and Unlocking Your Phone

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

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

You can make emergency calls on your phone even when it is locked. For more information, see page 48.

Lock Your Phone Manually

Find the Feature $\equiv$ > Settings > Security
                    > Phone Lock
                    > Lock Now

Press	To
1 keypad keys	enter your unlock code
2 OK ($\searstcdot$)	lock the phone

Unlock Your Phone

Tip: Your phone's unlock code is set to 1234 at the factory. Many service providers reset the unlock code to the last four digits of your phone number.

At the Enter Unlock Code prompt:

Press	To
1 keypad keys	enter your unlock code
2 OK ($\searstcdot$)	unlock your phone

Set Your Phone to Lock Automatically

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

Find the Feature $\equiv$ > Settings > Security
                    > Phone Lock
                    > Automatic Lock > On

Press	To
1 keypad keys	enter your unlock code
2 OK ($\searstcdot$)	activate automatic lock

Learning to Use Your Phone

Changing a Code or Password

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

If your service provider has *not* reset these numbers, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain four digits, and the security code must contain six digits.

To change a code or password:

Find the Feature $(\widehat{=})$ > Settings > Security
                            > New Passwords

If You Forget a Code or Password

If you forget your security code, 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, at the **Enter Unlock Code** prompt:

Press	To
1 $(\widehat{=})$	display the unlock code bypass screen
2 keypad keys	enter your security code
3 OK $(\searrow)$	submit your security code

Learning to Use Your Phone

Locking and Unlocking the Keypad

You can lock the keypad to prevent accidental keypresses (for example, when carrying your phone in a purse or pocket).

Press	To
⋑ ✳	lock or unlock your keypad

Note: Incoming calls and messages unlock the keypad.

Setting Up Your Phone

Storing Your Name and Phone Number

To store or edit the name and phone number information on your phone:

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

Setting the Time and Date

To use the datebook, you must set the time and date.

Find the Feature 　　　 ⊜ > Settings
　　　　　　　　　　　　　> Other 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*.

You can select one of five different ring styles:

☼)= loud	☼»=soft
☼d☼=vibrate	☼☼=vibrate and ring
☼☼ =silent	

The ring style indicator in the display shows the current ring style (see page 24).

To set a ring style:

Find the Feature (≡) > Ring Styles > Style

Press	To
1 (⊙)	scroll to the ring style
2 SELECT (ͰͰ)	select the ring style

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

Find the Feature (≡) > Ring Styles
> Style Detail

Setting Answer Options

You can use different methods to answer an incoming call.

Find the Feature (≡) > Settings
> In-Call Setup
> Answer Options

The Answer Options menu includes:

Multi-Key   answer by pressing any key

Setting a Wallpaper Image

You can set a picture or an animation as a wallpaper (background) image in your phone's idle display.

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

Find the Feature   ⊜ > Settings
> Other Settings
> Personalize
> Wallpaper

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

Setting a Screen Saver Image

You can set a picture or an animation as a screen saver image. The image displays when the phone detects no activity for a specified time.

The screen saver image fills the display. An animation repeats for one minute, then the first frame of the animation displays.

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

Setting Up Your Phone

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Setting	Description
Picture	select the picture that appears when your phone is idle
Delay	select how long your phone must be idle before the screen saver picture appears

Zooming In and Out

Press and release $\textcircled{=}$, then press and hold $\textcircled{=}$ to zoom in and out on the display. Zoom in to increase text size, zoom out to display more information.

You can also zoom in and out from the menu:

Find the Feature $\textcircled{=}$ > Settings
> Other Settings
> Initial Setup > Zoom

Setting Display Color

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

Find the Feature $\textcircled{=}$ > Settings
> Other Settings
> Personalize
> Color Style

Setting Display Contrast

Find the Feature $(\overline{\overline{\cdot}})$ > Settings
> Other Settings
> Initial Setup
> Contrast

Adjusting the Backlight

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

Find the Feature $(\overline{\overline{\cdot}})$ > Settings
> Other Settings
> Initial Setup
> Backlight

Calling Features

For basic instructions on how to make and answer calls, see page 22.

Changing the Active Line

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

Find the Feature   ≡ > **Settings**
> **Phone Status**
> **Active Line**

The active line indicator in the display shows the current active phone line (see page 24).

Redialing a Number

If you hear an ordinary busy signal:

Press	To
1 🔚	hang up
2 🔃	redial the busy number

Using Automatic Redial

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

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

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

Find the Feature $\textcircled{\scriptsize{\equiv}}$ > Settings
                            > Other Settings
                            > Initial Setup
                            > Auto Redial

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

Press	To
ϖ or RETRY ($\boxed{\cdot}$)	activate automatic redial

Using Caller ID

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, or **Incoming Call** when caller ID information is not available.

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
$\boxed{\otimes}$ or IGNORE ($\boxed{\cdot}$)	cancel the incoming call

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

Turning Off a Call Alert

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

Press	To
$\odot$ up or down	turn off the alert

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked.

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

Press	To
1 keypad keys	dial the emergency number
2 $\boxed{\mathbb{D}}$	call the emergency number

Viewing Recent Calls

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

Calling Features

sorted from newest to oldest, and contain up to 10 entries. The oldest entries are deleted as new ones are added.

Shortcut: From the idle display, press $\boxed{\mathbb{D}}$ to display the dialed calls list.

Find the Feature	$\textcircled{\scriptsize{\equiv}}$ > Recent Calls

Press	**To**
1 $\textcircled{\scriptsize{\odot}}$	scroll to Received Calls or Dialed Calls
2 SELECT ($\boxed{\cdot}$)	select the list
3 $\textcircled{\scriptsize{\odot}}$	scroll to an entry
	Note: $\checkmark$ means the call connected.
4 $\boxed{\mathbb{D}}$	call the entry's number
	Tip: Press and hold $\boxed{\mathbb{D}}$ for 2 seconds to send the number as DTMF tones during a call.
or	
VIEW ($\boxed{\cdot}$)	view entry details
or	
$\textcircled{\scriptsize{\equiv}}$	open the Last Calls menu to display other options as described in the following list

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

Option	Description
Store	Create a phonebook entry with the number in the **No**. field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the **To** field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent call lists, after the highlighted number.
Send Tones	Send the number to the network as DTMF tones. This option is only available during a call.

Returning an Unanswered Call

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

- the ⬚⁺ (missed call) indicator

- **X Missed Calls Y Unknown**, where **X** is the total
  number of missed calls and **Y** is the number of missed
  calls with no caller ID information

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

Using the Notepad

Your phone stores the most recent number entered on the
keypad in a temporary *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
🕽	call the number
or	
⬡	open the **Dialing Menu** to attach a number or insert a special character
or	
STORE (⬡)	create a phonebook entry with the number in the **No.** field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
⊕ > **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. To speed dial a phonebook entry:

	Press	To
1	keypad keys	enter the speed dial number for the entry you want to call
2	#	submit the number
		Note: Some networks let you skip this step for speed dial numbers 1 through 99.
3	〰	call the entry

Calling With One-Touch Dial

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

We recommend that you reserve phonebook entry 1 (speed dial number 1) for storing and dialing your

voicemail number. Your service provider may have already done this for you.

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 on your phone makes it easy for you to listen to new voicemail messages. Usually, your service provider has already done this for you.

Find the Feature $\textcircled{\scriptsize \pm}$ > **Messages**
 $\textcircled{\scriptsize \pm}$ > **VoiceMail Setup**

Press	**To**
1 keypad keys	enter your voicemail number
2 OK (＼·＿)	store the number

Note: You cannot store **Pause**, **Wait**, or **n** characters in this number. If you want to store your 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 71.

Receiving a Voicemail Message

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

Press	To
CALL (⌄)	listen to the message(s)

Listening to a Voicemail Message

Find the Feature ⬡ > **Messages** > **VoiceMail**

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

Shortcut: If your voicemail number is also stored as
phonebook entry number 1, you can press and hold ① to
listen to your voicemail message(s).

Turning Off the Voice Message Waiting Indicator

To clear the ✉ (voice message waiting) indicator:

Find the Feature ⬡ > **Messages**
  ⬡ > **Clear Count**

Muting the Phone

To mute your phone during a call, press **MUTE** (⌄) (if
available) or ⬡ > **Mute**.

Calling Features

Using Call Waiting

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

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

Messages

You can send and receive text messages, pictures, and ring tones with your wireless phone. Text messages that you receive can contain ring tones that you can store on your phone.

Setting Up the Text Message Inbox

Your message inbox must be set up before you can send and receive messages.

Note: Your service provider may have already set up the message inbox for you.

Find the Feature $\quad$ ☰ > Messages
$\quad$ ☰ > Inbox Setup

Setting	Description
Cleanup	number of days you want to keep messages in the inbox, or number of messages you want to keep

Sending Messages, Pictures, and Sounds

Note: Your message inbox must be set up before you can send and receive messages (see page 56).

You can send text messages and pictures or sounds 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 calls lists.

When you manually enter multiple numbers/addresses, you must insert a space between each entry. Press $\circledcirc$ to the right to insert a space.

Shortcut: Enter a phone number in the idle display, then press $\textcircled{=}$ > **Send Message** to create a text message addressed to the number entered.

Find the Feature $\textcircled{=}$ > **Messages**
                          $\textcircled{=}$ > **Create Message**

Press	To
1 keypad keys	enter the text message (see page 28)
	To insert a picture, animation, or sound file in the message, press:
	$\textcircled{=}$ > **Insert** > *object type* > *object* (see page 58)
2 **OK** ($\boxed{\cdot}$)	store the message contents and open the address editor

	Press	To
3	keypad keys	enter one or more phone numbers or email addresses where you want to send the message
		Tip: Press $\circledcirc$ to the right to add a space between each number/address that you enter manually.
	or	
	BROWSE ($\seardown$)	select numbers/addresses from the phonebook or recent calls lists
4	**OK** ($\seardown$)	store the numbers/addresses
5	**DONE** ($\boxed{\cdot/}$)	finish the message
6	**SELECT** ($\seardown$)	select Send Message
		Note: You can scroll down to select Save to Drafts

Inserting Picture or Sound Files

Notes:

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

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

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

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

Inserted pictures and animations appear in the message, while ring tones are represented by a ♫ (sound file) indicator.

Note: You cannot send or forward some downloaded objects (such as those you pay for). These objects do not appear in the selection lists for attachments.

Viewing or Deleting an Inserted File

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

	Press	To
1	◉	place the cursor to the right of the file type indicator

	Press	**To**
2	$\odot$ to the left	highlight the file type indicator
3	SELECT ($\square$)	view or play the inserted file
	or	
	DELETE ($\square$)	delete the inserted file

Sending a Quick Note Text Message

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

Find the Feature $\textcircled{=}$ > Messages
> Quick Notes

	Press	**To**
1	$\odot$	scroll to the quick note
2	READ ($\square$)	read the quick note
	or	
	$\textcircled{=}$	open the Quick Note Menu to perform other procedures as described in the following list

The Quick Note Menu can include the following options:

Option	**Description**
New	Create a new quick note.
Edit	Edit the quick note.

Option	Description
Delete	Delete the quick note.
Send	Open a new message with the quick note in the Msg field.

Viewing the Status of Sent Text Messages

Text messages that you send are stored in the outbox.

Find the Feature $\circledast$ > Messages > Outbox

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

» = sending in progress   ✉ = delivered

✗ = sending failed

Receiving Messages, Pictures, and Sounds

Note: Your message inbox must be set up before you can send and receive messages. See page 56.

When you receive a new message, your phone displays the ✉ (message waiting) indicator and **New Message,** and gives an alert.

Press	To
1 READ ($\boxed{\cdot}$)	open the message (or your text message inbox if there are multiple messages)

If reminders are turned on, your phone sends a reminder at regular intervals until you close the new message notification, read the message, or turn off your phone.

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

Storing Picture or Sound Files

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

You can store these embedded object files on your phone, and use them as screen saver images, wallpaper images, and event alerts. While reading the message:

	Press	To
1	⊙ up or down	highlight the file in the message
2	⊜	open the **Text Msg Menu**
3	⊙	scroll to **Store**
4	**SELECT** (᠆)	display a list of items you can store
5	⊙	scroll to **File Attachment**
6	**SELECT** (᠆)	display the file name
7	**STORE** (᠆)	view storage options

	Press	To
8	⊙	scroll to **Store Only**, **Set as Screen Saver**, **Set as Wallpaper**, or **Set as Ring Tone**
9	**SELECT** (⌐)	store the file and, optionally, set it as your screen saver, wallpaper image, or ring tone
		If you select **Set As Ring Tone**, your phone displays **Set As Which?** Select the event for the ring tone, and enter a name for the tone.

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

For more information about using pictures and animations, see page 117. For more information about using ring tones, see page 75.

Reading, Locking, or Deleting a Text Message

Messages in the text message inbox are sorted from newest to oldest.

Find the Feature ⊜ > **Messages** > **Inbox**

	Press	To
1	$\hat{\diamond}$	scroll to the message ($\boxtimes$ = unread, $\ominus$ = read, $\mathbf{\theta}$ = read and locked)
		The following indicators show message status:
		$\boxtimes$ unread
		$\boxtimes$ unread (with attachment)
		$\ominus$ read
		$\mathbf{\text{B}}$ read (with attachment)
		$\mathbf{\theta}$ read and locked
		$\mathbf{\text{E}}$ read and locked (with attachment)
2	**READ** ($\searrow$)	open the message
3	**BACK** ($\Box\!\!\!/$)	close the message
	or	
	REPLY ($\searrow$)	open a new message, with the sender's **Reply To** number or email address in the **To** field.
	or	
	$\textcircled{\scriptsize\#}$	open the Inbox Menu to perform other procedures as described in the following list

The **Inbox Menu** can include the following options:

Option	Description
Delete	Delete the message.
Call Back	Call the number in the message header or embedded in the message.
Reply	Open a new text message, with the sender's **Reply To** number or email address in the **To** field.
Forward	Open a copy of the text message, with an empty **To** field.
Chat	Open a chat session with the message sender
Lock	Lock the message so that cleanup does not delete it.
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. See page 62.
Delete All	Delete all inbox messages.
Cleanup	Delete all unlocked messages, or all unlocked and read messages.
New Message	Open a new text message.
Setup	Open the text message inbox setup menu.

Reading Information Service Messages

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

Your information services message inbox must be set up before you can receive information services messages. The number of messages the inbox can hold depends on the length of the messages, and the number of other messages and drafts stored on your phone.

Setting Up the Information Services Message Inbox

You must set up your information services message inbox before you can receive information services messages.

Note: Your service provider may have already set up the information services inbox for you.

Find the Feature   ⚇ > Messages
                         ⚇ > Info Srvc Setup

To set up the information services inbox, you must configure the following settings. Contact your service provider to obtain the following information, if necessary. Actual field names and values may vary depending on the

technologies available to your service provider. Some settings may not be available for all phone models.

Setting	Description
Service	select **Yes** or **No** to turn broadcasts on or off
Active Channels	set the subscription channels
Quick View	enter or edit the quick view channel number
Save Q. View	select whether to save single-line quick view messages in the inbox
Language	select the language(s) in which you want to accept broadcasts
Cleanup	select the number of days to keep messages in the inbox, or the number of messages to keep

Receiving an Information Services Message

Note: Your information services message inbox must be set up before you can receive information services messages. See page 66.

Receiving Long Messages

If the new message is a **long information services message**, your phone displays the ✉ (message waiting

indicator) and **New Message,** and gives an alert. To view the new message, see page 61. To read, lock, or delete an existing message, see page 63.

Receiving Quick View Messages

If the new message is a short quick view message, it appears directly in your display.

Do This	To
Read the message and press 🗑	read and delete the quick view message

If the message is more than two lines, you can press **SAVE** (⬜⟋) to save it in your information services inbox. To automatically save quick view messages, or change the channels that send messages, change your information services setup on page 66.

Messages

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 idle display. Scroll to a name and press **VIEW** (▽) to view details of the phonebook entry as shown in the following display.

Shortcut: In idle, press ⌖ up or down to open the Phonebook.

Viewing Entry Details

Type indicator identifies number type:
🖩Work
🏠Home
🖂Main
📱Mobile
📠Fax
📟Pager
✉Email
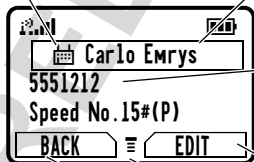
Entry's **Name**

Entry's **phone number** or **email address**.

```
⁌.ᴵᴵ              ▥
  🖩 Carlo Emrys
5551212
Speed No.15#(P)
  BACK    ≡    EDIT
```

Edit entry

Return to list

Press ⋐ to open the **Phonebook Menu**

Note: Email Address entries do not have **Type** or **Ringer ID** information.

Creating a Phonebook Entry

Entering Information

To create or edit a phonebook entry:

Find the Feature
$\textcircled{\scriptsize =}$ > Phonebook
$\textcircled{\scriptsize =}$ > New
> Phone Number or
Email Address

Shortcut: Enter a phone number in the idle display, then press STORE ($\boxed{\cdot}$) 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	entry name
	Tip: Press $\textcircled{\scriptsize =}$ to select a text entry mode. See page 28.
No. or Email	entry's phone number or email address (maximum 32 characters)
Type	entry type
	Note: This option is not available for email entries.
Speed No.	entry's default speed dial number (select to change)

Phonebook item	Description
Ringer ID	the alert your phone should use when you receive calls or messages from this entry
More	create another entry with the same **Name**
	You must use a different **Type** identifier for each number.

Completing a Phonebook Entry

When you are finished entering information for a phonebook entry:

Press	To
DONE (⬚)	store the entry

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). Insert one or more of the following characters

in the dialing sequence to ensure that the number dials and connects properly:

Press	To
⊛ > **Insert Pause**	inserts a **p** (pause) character
	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**	inserts a **w** (wait) character
	Your phone dials the preceding digits, waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s).
⊛ > **Insert 'n'**	inserts an **n** (number) character
	Your phone prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the **n** character

Note: You can store a maximum of 32 digits per number for a phonebook entry stored on the phone. Each character counts as one digit.

Setting Up Your Phonebook

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.

Note: You can also use speed dial or 1-touch dial. See page 52.

Find the Feature   ⨀ > Phonebook

Press		To
1	keypad key letters	jump to entries that begin with that letter (optional)
2	⟨⊙⟩	scroll to the entry you want
3	⟋⟍	call the entry

Editing a Phonebook Entry

Find the Feature   ⨀ > Phonebook

Press		To
1	⟨⊙⟩	scroll to the entry
2	VIEW (⟍)	view entry details
3	EDIT (⟍)	edit the entry

Edit the entry as described on page 70.

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

Deleting a Phonebook Entry

Find the Feature $\textcircled{=}$ > Phonebook

Press	To
1 $\textcircled{\updownarrow}$	scroll to the entry
2 $\textcircled{=}$	open the **Phonebook Menu**
3 $\textcircled{\updownarrow}$	scroll to **Delete**
4 SELECT ($\boxed{\cdot}$)	delete the entry

Sorting Phonebook Entries

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

Find the Feature $\textcircled{=}$ > Phonebook

Press	To
1 $\textcircled{=}$	open the **Phonebook Menu**
2 $\textcircled{\updownarrow}$	scroll to **Setup**
3 SELECT ($\boxed{\cdot}$)	select **Setup**
4 $\textcircled{\updownarrow}$	scroll to **Sort by**
5 CHANGE ($\boxed{\cdot}$)	select **Sort by**
6 $\textcircled{\updownarrow}$	scroll to the sort order
7 SELECT ($\boxed{\cdot}$)	select the sort order

Personalizing Your Phone

Personalizing a Ring Style

You can change the alerts that notify you of events such as incoming calls, text messages, etc. Any changes you make are saved to the current ring style.

Find the Feature $\textcircled{\scriptsize{=}}$ > Ring Styles
                       > *Alert* Detail

Note: *Alert* represents the current alert style.

Press	To
1 $\textcircled{\scriptsize{\updownarrow}}$	scroll to the event
2 CHANGE ($\boxed{\cdot}$)	select the event
3 $\textcircled{\scriptsize{\updownarrow}}$	scroll to the alert you want
4 SELECT ($\boxed{\cdot}$)	select the alert

To create new alert tones, see page 76.

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.

Find the Feature $\textcircled{\scriptsize{=}}$ > Ring Styles
                                  > *Alert* Detail
                                  > Ringer IDs > On or Off

Personalizing Your Phone

Note: Alert represents the current ring style.

To assign a ringer ID to a new or existing phonebook entry, see page 70.

Setting Ringer or Keypad Volume

Find the Feature $\circledcirc$ > Ring Styles
> *Alert* Detail
> Ring Volume or
Key Volume

Note: Alert represents the current ring style.

Setting Reminders

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

Find the Feature $\circledcirc$ > Ring Styles
> *Alert* Detail
> Reminders
> Beep, Vibrate, or Off

Note: Alert represents the current ring style.

Creating 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 $\circled=$ > Ring Styles
                      > My Tones
                      > [New Tone]

Press	**To**
1 CHANGE ($\searchcirc$)	select **Notes**
2 $\circledcirc$	enter notes for the tone
3 OK ($\searchcirc$)	store the notes
4 CHANGE ($\searchcirc$)	select **Name**
5 keypad keys	enter the name for the tone
6 OK ($\searchcirc$)	store the name
7 DONE ($\boxed{\diagdown}$)	store the tone

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 $\circled=$ > Ring Styles
                      > My Tones

Press	**To**
1 $\circledcirc$	scroll to the tone
2 EDIT ($\searchcirc$)	open the tone details
3 $\circledcirc$	scroll to **Name** or **Notes**
4 CHANGE ($\searchcirc$)	select the details
5 keypad keys	enter new text or notes

Press	To
6 OK ($\boxed{\cdot}$)	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 $\quad$ $\textcircled{\scriptsize{=}}$ > Ring Styles
$\qquad\qquad\qquad\qquad$ > My Tones

Press	To
1 $\textcircled{\hat{\diamond}}$	scroll to the tone
2 $\textcircled{\scriptsize{=}}$	open the My Tones Menu
3 $\textcircled{\hat{\diamond}}$	scroll to Delete
4 SELECT ($\boxed{\cdot}$)	delete the tone

Personalizing Display Text

To change the text displayed when you turn on
your phone:

Find the Feature $\quad$ $\textcircled{\scriptsize{=}}$ > Settings
$\qquad\qquad\qquad\qquad$ > Other Settings
$\qquad\qquad\qquad\qquad$ > Personalize
$\qquad\qquad\qquad\qquad$ > Greeting

Personalizing the Menu

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

Note: You cannot alter the location of the More (⌕) graphic icon. This icon remains in the introductory menu display to provide access to additional menu features.

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

Press	To
1 💠	scroll to a menu item
2 GRAB (▭/)	grab the menu item
3 💠	move the item to a new location in the menu
4 INSERT (▭/)	insert the menu item

Personalizing Soft Keys

You can relabel the soft keys (left ▭/ and right ▭) to access different main menu items from the idle display.

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

Press	To
1 💠	scroll to Left or Right
2 CHANGE (▭/)	select the key
3 💠	scroll to a menu feature
4 SELECT (▭/)	confirm the menu feature

Setting the Menu Language

Set the language in which menu features and options are displayed.

Find the Feature   (≡) > Settings
  > Other Settings
  > Initial Setup
  > Language

Setting Menu Scroll Behavior

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

Find the Feature   (≡) > Settings
  > Other Settings
  > Initial Setup
  > Scroll

Setting Menu Animation

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

Find the Feature   (≡) > Settings
  > Other Settings
  > Initial Setup
  > Animation

Resetting All Options

You can reset all options back to their factory settings except for the unlock code, security code, and lifetime timer.

Find the Feature $\circledast$ > Settings
> Other Settings
> Initial Setup
> Master Reset

Clearing All Information

You can reset all options back to their factory settings except for the unlock code, security code, and lifetime timer *and* clear all user entries (such as Phonebook entries and downloaded wallpapers, screen savers, and sounds).

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 $\circledast$ > Settings
> Other Settings
> Initial Setup
> Master Clear

Using MyMenu

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

Standard Shortcuts

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

Do This	To
Press Ⓔ, then press and hold Ⓔ (within two seconds)	zoom in/out on your phone display
Press Ⓔ ✳ in idle	lock/unlock your keypad
Press ◌ down when your phone is ringing	switch to vibrate alert, then silent alert Press ◌ up to cycle back to vibrate alert, then ring alert.
Press Ⓔ # in idle	see your phone number
Press ◊ in idle	go to the dialed calls list
Press ✆	exit the menu system and return to the idle display
Press ◌ up or down	open the phonebook

Personalizing Your Phone

Creating a MyMenu Shortcut

To add a menu item to the MyMenu list, just select the menu item and hold $\circledast$ until the phone asks you for a confirmation.

Using a MyMenu Shortcut

You can use MyMenu from the idle display, while on a call, or while scrolling through a menu. Just press $\circledast$ and then the MyMenu key number ($\boxed{1}$ through $\boxed{9_{wxyz}}\boxed{9_{wxyz}}$).

To select a feature from the MyMenu list:

Find the Feature $\circledast$ **> MyMenu >** *the feature*

Note: To edit or delete a MyMenu feature, highlight it in the list and press $\circledast$ to open a menu of options for the feature.

Editing or Deleting 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 $\circledast$ **> Shortcuts**

	Press	To
1	$\circledcirc$	scroll to the shortcut
2	$\circledast$	open the **Shortcut Menu** to perform procedures as described in the following list

The **Shortcut Menu** can include the following options:

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 Three-Way Call

During a call, you can call and connect a third party for a three-way call. You cannot do this if you already have a call on hold.

Press		To
1	keypad keys	dial the third party's number
		Note: Some networks might require you to press $\boxed{\mathbb{D}}$ first.
2	$\boxed{\mathbb{D}}$	call the number
3	$\boxed{\mathbb{D}}$	connect the two calls
4	$\boxed{\mathbb{S}}$	end the entire call

Restricting Calls

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

Notes:

• You can make emergency calls when outgoing calls are restricted.

- Your phone still receives incoming text messages when incoming calls are restricted.

Find the Feature $\circledast$ > Settings > Security > Restrict Calls

	Press	**To**
1	keypad keys	enter your unlock code
2	OK ($\boxed{\cdot}$)	open the restrict calls menu
3	$\circledcirc$	scroll to **Outgoing Calls** or **Incoming Calls**
4	CHANGE ($\boxed{\cdot}$)	select the option
5	CHANGE ($\boxed{\cdot}$)	change the **Allow** setting
6	$\circledcirc$	scroll to **All**, **None**, or **Phonebook**
7	SELECT ($\boxed{\cdot}$)	select the allowed calls

Tip: The phonebook is not locked when you restrict outgoing calls to numbers stored in the phonebook. To prevent a user from adding (and then calling) a new phonebook entry, you may want to lock the phonebook. See page 109.

Using TTY Mode

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

Getting More Out of Your Phone

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 $\textcircled{\scriptsize{=}}$ > Settings
  > Other Settings
  > Initial Setup
  > TTY Setup

Press		**To**
1	$\textcircled{\scriptsize{$\diamond$}}$	scroll to TTY Setup
2	CHANGE ($\boxed{\smallsetminus}$)	change the TTY mode
3	$\textcircled{\scriptsize{$\diamond$}}$	scroll to the TTY mode
4	SELECT ($\boxed{\smallsetminus}$)	select the TTY mode

The TTY Setup menu includes the following options:

TTY   Transmit and receive TTY characters

	VCO	Receive TTY characters but transmit by speaking into the microphone
	HCO	Transmit TTY characters but receive by listening to the earpiece
	Voice	Return to normal voice mode

☎ When your phone is in a TTY mode, the international TTY symbol and the mode setting are shown in the display during an active digital TTY call. You can press **TTYMODE** (⬛️) to change the mode setting.

Switching to TTY Mode During a Voice Call

	Press	To
1	☰	open the **Call** menu
2	⟐	scroll to **TTY Setup**
3	**SELECT** (⬛️)	display the **TTY Setup** menu
4	⟐	scroll to the TTY mode
5	**SELECT** (⬛️)	select the TTY mode

Returning to Voice Mode

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

Setting Auto PIN Dial

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

Find the Feature   ⊜ > Settings
                         > Other Settings
                         > Initial Setup
                         > Auto PIN Dial

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.

Press	To
⊜ > Send Tones	send a number to the network as DTMF tones, for credit card calling or password entry

To set DTMF tones to be long, short, or off:

Find the Feature   ⊜ > Settings
                         > Other Settings
                         > Initial Setup > DTMF

Short sends a short fixed-duration tone for each keypress. **Long** sends each tone for as long as you depress the key. Short DTMF tones work with most automated systems.

Some systems (such as home answering machines) may require long tones for proper activation.

Sending DTMF Tones

Using the Keypad

Press the number keys to send the numbers as DTMF tones during a call.

To send numbers as long tones, make sure that DTMF is set to **Long**. During a call, enter any single short keypress to put the phone in DTMF mode, then send the required numbers by pressing and holding each key in turn.

Sending Stored Numbers

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

	Press	To
1	ⓣ	open the sub-menu
2	⬦	scroll to **Send Tones**
3	SELECT (◌)	send number 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 $\circledcirc$ > Recent Calls
                          > Call Times

Select one of the following options:

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

To reset the call timer:

Press	To
1 RESET ($\boxed{\cdot}$)	reset the time (if available)
2 YES ($\boxed{\diagup}$)	confirm the reset

Using Timers During a Call

You can set a timer to beep at selected intervals during a call, and display elapsed time during a call.

Find the Feature $\quad$ $\circledast$ > Settings
$\qquad\qquad\qquad\qquad$ > In-Call Setup
$\qquad\qquad\qquad\qquad$ > In-Call Timer

Select one of the following Beep options:

Option	Description
60 Seconds	Beep at one-minute intervals during a call.
Off	No in-call beep.

Select one of the following Display options:

Option	Description
Time	Display the approximate elapsed time for the current call.
Off	No in-call timer display.

Using Hands-Free Features

You can purchase an optional Motorola Original™ Easy-Install Hands-Free Kit for your car. This accessory provides an alternative way for you to use your phone without using your handset.

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

Activating a Connected Speakerphone

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

Press	To
SPEAKER ($\boxed{\cdot}$) (if available) or $\textcircled{=}$ > **Spkrphone On**	activate the connected speakerphone

Setting Automatic Answer

You can set your phone to automatically answer calls after 2 rings (4 seconds) when connected to the Easy-Install Hands-Free Kit or a phone headset.

Find the Feature
 $\textcircled{=}$ > **Settings**
 > **Other Settings**
 > **Car Settings** or
  Headset
 > **Auto Answer**

Setting Automatic Hands-Free

You can set up your phone to automatically route calls to the Easy-Install Hands-Free Kit when it detects a connection.

Find the Feature $\circledast$ > Settings
> Other Settings
> Car Settings
> Auto Handsfree
> On or Off

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 $\circledast$ > Settings
> Other Settings
> Car Settings
> Power-Off Delay
> time delay

Setting 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 $\quad$ $⊜$ > **Settings**
> **Other Settings**
> **Car Settings**
> **Charger Time**
> *charge time*

Making Data and Fax Calls

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

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

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

- Use your phone to make and answer data and fax calls on your computer or hand-held device.

Making a Cable Connection

Installing the Software

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

Getting More Out of Your Phone

Attaching the Cable

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

Note: Your phone requires a mini-USB connector. Check your computer or hand-held device to determine the type of cable you need.

Synchronizing Data

You can synchronize phonebook and datebook information between your phone, computer, and PDA with Starfish TrueSync® software, a Motorola accessory product. See the TrueSync user guide for more information.

Note: TrueSync software is designed to synchronize with basic features of many popular Personal Information Management (PIM) software and hardware products.

Making a Data or Fax Call

Use this procedure to transfer data or a fax from a connected device.

Connect your phone to the device and do the following:

Do This	To
1 Check the phone	make sure that the phone is connected and powered on

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

Receiving a Data or Fax Call

Use this procedure to transfer data or a fax to a connected computer or hand-held device.

Setting Up Your Phone

Find the Feature
$\qquad$ $\textcircled{\scriptsize\stackrel{}{=}}$ > Settings
$\qquad$ > Connection
$\qquad$ > Incoming Call
$\qquad$ > Next Call
$\qquad$ > Data In Only or
$\qquad\quad$ Fax In Only

Connect your phone to the device as described on page 95.

Note: You cannot answer incoming voice calls when your phone is in data or fax mode. Any voice calls you receive are treated as unanswered calls. To return a voice call,

reset your phone to normal voice operation as described below.

Transferring the Data or Fax

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

Ending the Data/Fax Connection

When the data or fax transfer is complete, end the call from the connected device to close the connection.

Resetting Normal Voice Operation

After making a data or fax call, you must reset your phone to resume normal voice operation.

Find the Feature $(\equiv)$ **> Settings**
> **Connection**
> **Incoming Call**
> **Next Call > Normal**

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

Adjusting Network Settings

Your service provider registers your phone to a network. In some situations, such as using the phone as a modem or connecting it to a TTY device, you may need to change the network registration.

Note: Some settings and/or options described in this section may not be available for all phone models.

Viewing Current Registered Network

Find the Feature $\circledcirc$ > Settings
                       > Other Settings
                       > Network
                       > Current Network

Your phone displays the network ID.

Setting Network Search Mode

Set how your phone searches for a network connection.

Find the Feature $\circledcirc$ > Settings
                       > Other Settings
                       > Network > Set Mode
                       > *search mode*

Network search mode options:

Setting	Description
Home Only	match the Home SID
Standard	search automatically based on priority

Setting Service Status

When this feature is set to automatic, the network automatically transmits service updates to your phone.

When set to manual, you must select the **Update Service** feature to initiate a service update (if available).

Find the Feature $\circledcirc$ > Settings
> Other Settings
> Network
> Srvc Status
> Automatic or Manual

Setting Service Tones

You can set your phone to beep each time the network registration status changes.

Find the Feature $\circledcirc$ > Settings
> Other Settings
> Network
> Service Tone
> On or Off

Setting Call Drop Alert

You can set your phone to emit an alert tone whenever the network drops a call. Because digital networks are so quiet, the call drop alert may be your only indication that a call has been dropped.

Find the Feature $\circledcirc$ > Settings
> Other Settings
> Network
> Call Drop Tone
> On or Off

Monitoring Battery Charge

To view a detailed battery charge meter:

Find the Feature $\circled=$ > Settings
> Phone Status
> Battery Meter

Viewing Phone Specifications

To view your phone's feature specifications:

Find the Feature $\circled=$ > Settings
> Phone Status
> Other Information

Personal Organizer Features

Using the Datebook

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

Note: You must set the correct time and date on your phone to use the datebook (see page 41).

To schedule or review events in the datebook:

Find the Feature $\textcircled{=}$ **> Datebook**

Week View

The datebook initially displays a calendar for the week.

Untimed event

12 hour window

Exit the datebook

Full day (12-hour) event scheduled

9 JAN-15 JAN

S M T W T F S

EXIT   **VIEW**

Days of week (press $\textcircled{\odot}$ to select)

One-hour event

Go to selected day

Press $\textcircled{=}$ to open the **Datebook Menu**

Personal Organizer Features
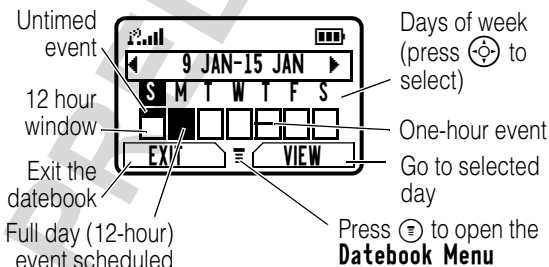
Day View

Select a day and press **VIEW** (\\(\overline{\cdot}\\)) to see the day's events.

Untimed
event

Day of week

Down
scroll

Alarm

Event

Return to
previous
screen

Press (≡) to open
the **Datebook Menu**

Show event
details

```
.ıl                    [███]
◄      THU 13-JAN      ►
● Joes B-day
  9:00🕮Marie,...
  BACK      ▮      VIEW
```
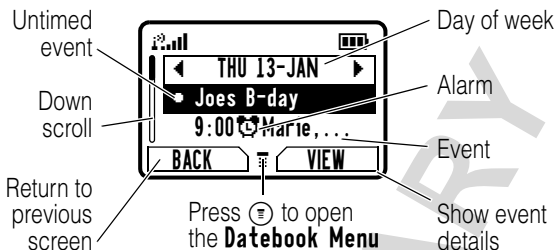
Event View

Select an event and press **VIEW** (\\(\overline{\cdot}\\)) to see event details.

Alarm

Day and time

Down
scroll

Event details

Return to
previous
screen

Edit event

Press (≡) to open
the **Datebook Menu**

```
.ıl                    [▱█]
🕮 THU 9:00am
Marie, meeting about
new product
  BACK      ▮      EDIT
```
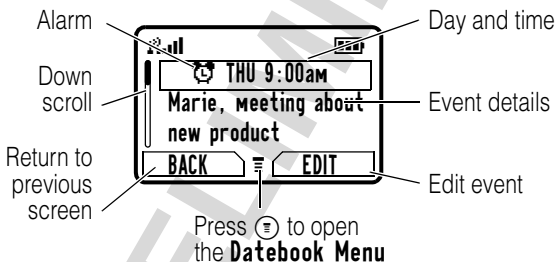
Adding a Datebook Event

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

Notes:

- You must create an event to use the reminder
  alarm.

Personal Organizer Features

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- Your phone must be turned on for the reminder alarm to sound.

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

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

Changing Event Information

Find the Feature ⬧ > Datebook

	Press	To
1	⬧ left or right	scroll to the day
2	VIEW (⬧)	display the day view
3	⬧	scroll to the event
4	VIEW (⬧)	display the event view
5	EDIT (⬧)	edit the event
6	⬧	scroll to the information you want to change

Press	To
7 CHANGE ($\boxed{\cdot}$)	edit the information
8 keypad keys	enter the new information
9 DONE ($\boxed{\cdot}$)	store the information

Copying an Event

Find the Feature $\textcircled{\scriptsize{=}}$ > Datebook

Press	To
1 $\textcircled{\scriptsize{\diamond}}$	scroll to the day
2 VIEW ($\boxed{\cdot}$)	display the day view
3 $\textcircled{\scriptsize{\diamond}}$	scroll to the event to copy
4 $\textcircled{\scriptsize{=}}$	open the Datebook Menu
5 $\textcircled{\scriptsize{\diamond}}$	scroll to Copy
6 SELECT ($\boxed{\cdot}$)	copy the event
7 YES ($\boxed{\cdot}$)	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 $\boxed{1}$ ($\boxed{\cdot}$)	move to day, month, and year
10 DONE ($\boxed{\cdot}$)	save the copy of the event
11 $\textcircled{\scriptsize{\diamond}}$	scroll to and edit event information, if necessary
12 DONE ($\boxed{\cdot}$)	store the information

Deleting an Event

Find the Feature $\textcircled{\tiny{=}}$ > Datebook

	Press	To
1	$\textcircled{\tiny{\Leftrightarrow}}$	scroll to the day
2	**VIEW** ($\boxed{\cdot}$)	display the day view
3	$\textcircled{\tiny{\Leftrightarrow}}$	scroll to the event to delete
4	$\textcircled{\tiny{=}}$	open the **Datebook Menu**
5	$\textcircled{\tiny{\Leftrightarrow}}$	scroll to **Delete**
6	**SELECT** ($\boxed{\cdot}$)	select **Delete**

Viewing and Dismissing an Event Reminder

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

Press	To
VIEW ($\boxed{\cdot}$)	view the event
	Press $\textcircled{\tiny{\Leftrightarrow}}$ to scroll through the event details.
or	
EXIT ($\boxed{\diagup}$)	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.

Changing 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 $\textcircled{\tiny\textbf{=}}$ > Datebook
 $\textcircled{\tiny\textbf{=}}$ > Setup

Calculating Numbers and Currency

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

Calculating Numbers

Find the Feature $\textcircled{\tiny\textbf{=}}$ > Calculator

	Press	To
1	number keys	enter a number
2	$\textcircled{\diamond}$ left or right	highlight a calculator function
3	SELECT ($\boxed{\cdot}$)	perform the function

The calculator can perform the following functions:

Function	Description
.	Insert a decimal point
C	Clear the calculation
CE	Clear entry (replaces the **C** function when you enter more values in a calculation)
+	Add

Function	Description
-	Subtract
x	Multiply
÷	Divide
%	Divide the displayed value by 100
$	Calculate the exchange rate
±	Change the entry's sign (positive/negative)
MR	Recall the value stored in memory
MS	Store the displayed number in memory
MC	Clear memory

Converting Currency

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

Find the Feature　　　$(\textcircled{=})$ > Calculator
　　　　　　　　　　　$(\textcircled{=})$ > Exchange Rate

	Press	To
1	number keys	enter the exchange rate
2	OK $(\boxed{\diagdown})$	store the exchange rate
3	number keys	enter the amount to convert (amount to multiply by the exchange rate)
4	$\textcircled{\diamond}$ (left or right)	highlight the **$** function
5	SELECT $(\boxed{\diagdown})$	perform the conversion

Security

Locking and Unlocking Applications

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

Find the Feature ⧉ > Settings > Security > Lock Application

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

News and Entertainment

Using the Micro-Browser

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

Starting a Micro-Browser Session

Find the Feature $\textcircled{=}$ > Browser

Press	To
1 $\textcircled{\hat{\circ}}$	scroll to a bookmark or service, or application
2 SELECT ($\boxed{\cdot}$)	select the item

Shortcut: If you open a text message with a Web address (URL) in it, you can press $\textcircled{=}$ > Go To to launch the micro-browser and go directly to the URL.

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

Interacting With Web Pages

Press	To
⊙ up or down	scroll through text, or highlight a selectable item
⊡	open the **Browser Menu**

Downloading Pictures, Games, and Sounds

You can download a picture, animation, sound, or game upgrade 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 object files on your phone, and use them as screen saver images, wallpaper images, and ring tones.

To download files with the browser on a desktop computer or your phone:

Downloading a File Using a Web Browser

1 In the browser, go to the Web site and find the file you want.

2 Follow the directions on the site to purchase the file (payment details vary). The site sends a text message to your phone, containing the attached file or a URL link to the file.

3 Open the message and store the file (see page 61).

Notes:

- Call charges apply during download sessions.

- When your phone runs out of memory for downloaded files, new files overwrite the old ones. Downloaded files share your phone's memory, so you can make room for a picture, for example, by deleting ring tones.

Get It Now

You can download a variety of applications onto your phone, such as entertainment (games, ring tones, images) and productivity tools (expense tracking, news delivery, flight information). These applications are stored in the Get It Now folder on your phone.

Downloading an Application

Find the Feature $\textcircled{\scriptsize{=}}$ > Get It Now
 > Get It Now Shop

	Press	**To**
1	START ($\boxed{\cdot/}$)	connect to Get It Now shop
		Your phone displays a list of application categories
2	$\textcircled{\updownarrow}$	scroll to a category
3	SELECT ($\boxed{\cdot}$)	view a list of applications available for downloading
4	$\textcircled{\updownarrow}$	scroll to the application you want to download

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	Press	To
5	SELECT ($\boxed{\cdot}$)	view pricing options for the application
		Pricing options vary by application. You may be presented with options to purchase the application, subscribe for a monthly fee, or pay an unlimited usage charge.
6	$\circledcirc$	scroll to the purchase you wish to make
7	SELECT ($\boxed{\cdot}$)	select your purchase
8	YES ($\boxed{\diagup}$)	confirm your purchase
		Your phone downloads and installs the application. The phone then asks if you wish to run the application.
9	YES ($\boxed{\diagup}$)	launch the application
	oror	
	NO ($\boxed{\cdot}$)	exit Get It Now shop

Launching an Application

Find the Feature $\circledast$ > Get It Now
  > *application*

Notes:

- If you receive an incoming call while using an application, your phone pauses the application, notifies you of the call, and prompts you to answer. When the call ends, the phone gives you the option to return to the application.

- If you receive an incoming call while downloading an application, your phone forwards the call to your voicemail. If you do not have voicemail, the caller receives a busy signal.

Disabling or Removing an Application

The memory capacity of your phone determines how many applications you can have installed at one time. To free up memory for a new application, you can temporarily disable an existing application, or permanently remove the existing application from your phone.

When you *disable* an application, your phone removes the application from memory but retains the purchase information. You can restore the disabled application at a later time for no additional charge.

When you *remove* an application, your phone completely removes the application from the phone. To reinstall the application, you must download it and pay for it again.

Find the Feature $\circledast$ > Get It Now
                                   > Get It Now Shop

	Press	To
1	OPTIONS ($\boxed{\cdot}$)	view the list of applications installed on your phone

	Press	**To**
2	⊙	scroll to the application you want
3	**SELECT** (⧅)	view the application's memory usage information, and expiration information, if applicable
4	**DISABLE** (☐)	temporarily disable the application
	oror	
	REMOVE (⧅)	permanently remove the application from memory
5	**YES** (☐)	confirm your selection
		Your phone disables or removes the application

Note: Airtime charges apply to remove an application subscription. Contact your service provider for more information.

Restoring a Disabled Application

Find the Feature ⊜ > Get It Now
> Get It Now Shop

	Press	**To**
1	**OPTIONS** (⧅)	view the list of applications installed on your phone
2	⊙	scroll to the application you want to restore

	Press	**To**
3	**SELECT** ($\boxed{\cdot}$)	view the application's memory usage information, and expiration information, if applicable
4	**RESTORE** ($\boxed{\cdot/}$)	restore the application
	oror	
	REMOVE ($\boxed{\cdot}$)	permanently remove the application from memory

Note: Airtime charges apply to restore an application. Contact your service provider for more information.

Viewing Get It Now Information and History

To view the total amount of phone memory available for Get It Now applications, and the memory used for current installed applications:

Find the Feature $\quad$ $\textcircled{\scriptsize=}$ > Get It Now
> Get It Now Shop
> Options
> Information

To view Get It Now version information, and a log of application activities:

Find the Feature $\quad$ $\textcircled{\scriptsize=}$ > Get It Now
> Get It Now Shop
> Options > View Log

Your phone lists the date(s) on which application activities occurred. Highlight a date to view the action performed on that date. Your phone documents the following activities:

- download and install application
- disable application
- remove application
- restore application
- end application subscription

Picture Viewer

Your phone contains pictures and animations that you can insert into text messages, and use as wallpaper and screen saver images.

Note: Your phone may include predefined images. These images are identified by a ⋇ (predefined object) indicator. You cannot rename, delete, or view details about predefined images.

Find the Feature ⬚ > Media Center
  > Picture Viewer

	Press	To
1	⬚	scroll to the picture
2	**SELECT** (⬚)	view the picture

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	Press	To
3	⊙ up or down	view the previous/next picture
	or	
	DETAILS (▽)	view picture information
	or	
	≡	open the **Picture Viewer** menu to perform other procedures

The **Picture Viewer** menu can include the following options:

Option	Description
Details	View picture information.
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.
Rename	Rename the picture.
Delete	Delete the picture.

Creating 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 $\textcircled{=}$ > Ring Styles
                          > My Tones
                          > [New Tone]

Press	To
1 CHANGE ($\boxed{\cdot}$)	select **Notes**
2 $\textcircled{\updownarrow}$	enter notes for the tone
3 OK ($\boxed{\cdot}$)	store the notes
4 CHANGE ($\boxed{\cdot}$)	select **Name**
5 keypad keys	enter the name for the tone
6 OK ($\boxed{\cdot}$)	store the name
7 DONE ($\boxed{\diagup}$)	store the tone

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 $\textcircled{=}$ > Ring Styles
                          > My Tones

Press	To
1 $\textcircled{\updownarrow}$	scroll to the tone
2 EDIT ($\boxed{\cdot}$)	open the tone details
3 $\textcircled{\updownarrow}$	scroll to **Name** or **Notes**
4 CHANGE ($\boxed{\cdot}$)	select the details
5 keypad keys	enter new text or notes

Press	To
6 OK ($\boxed{\cdot}$)	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 $\textcircled{\scriptsize\textsf{≡}}$ > Ring Styles
                  > My Tones

Press	To
1 $\textcircled{\hat{\diamond}}$	scroll to the tone
2 $\textcircled{\scriptsize\textsf{≡}}$	open the My Tones Menu
3 $\textcircled{\hat{\diamond}}$	scroll to Delete
4 SELECT ($\boxed{\cdot}$)	delete the tone

Downloading a Ring 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 111. To download ring tones from a text message, see page 62.

Sending Ring Tones

You can send ring tones to other wireless phone users. To insert a ring tone in a text message, see page 58.

Radio

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

Turning the Radio On and Off

Press	To
Radio ($\seardown$)	turn the radio on and off

Alternatively, you can use the following procedure:

Find the Feature $\textcircled{\equiv}$ > **Radio**

Press	To
On ($\seardown$) or **Off** ($\seardown$)	turn the radio on or off

Note: The **Radio** menu feature and soft key options appear only when the FM Stereo Radio Headset is plugged into the accessory connector port.

Tuning a Station

Action

Press $\textcircled{\diamond}$ to scroll to the next frequency

   or

Press and hold $\textcircled{\diamond}$ to scroll to the next available stereo station

Storing a Preset

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

Selecting a Preset

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

Sending and Receiving Calls With the Radio On

Your phone rings or vibrates as usual to notify you of an incoming call, message, or other event.

Action
Press **IGNORE** ($\boxed{/}$) to ignore the call
Press **ANSWER** ($\boxed{\cdot}$), or press the button on the FM Stereo Radio Headset microphone, to answer the call
Note: You can use the FM Stereo Radio Headset microphone to converse with the other party during a call

To end the call and resume the FM broadcast:

Action
Press $\textcircled{\scriptsize }$, or press and hold the button on the FM Stereo Radio Headset microphone, to end the call

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

To dial a recently called number, press $\textcircled{\scriptsize }$ or the button on the FM Stereo Radio Headset microphone to go to the dialed calls list. For information on how to use the dialed calls list, see page 48.

Troubleshooting

Check these questions first if you have problems with your phone. If you need additional help, contact the Motorola Customer Call Center at 1-800-331-6456 (United States) or 1-800-461-4575 (Canada).

Question	Answer
Is your phone set up correctly?	Press ⒠ ⒣. If you do not see your phone number, contact your service provider.
Is your battery charged? Do you see ▭ in the display?	The battery level indicator should have at least one segment showing (◧). If it does not, recharge your battery. See page 17.
Does the handset have a signal? Do you see ⌁ in the display?	The signal strength indicator should have at least one segment showing (⌁). If it does not, move to an area with a stronger signal to use your phone.
Is the earpiece volume too low?	While on a call, press right on the ⊙ key.

Question	Answer
Is the other party unable to hear you?	Your phone may be muted. Press **UNMUTE** ($\boxed{\searrow}$) if necessary to unmute the phone.
	Also, make sure that your phone's microphone is not blocked by its carrying case or a sticker.
Has the phone been damaged, dropped, or gotten wet?	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 39.

Troubleshooting

Problem	Solution
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 17.
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 37. 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 39.
My phone does not ring.	If you see §d§ or ⚠ in the display, then the ring tone is turned off. To turn a ring tone on, see page 41.

Also, the ring tone may be set to **Silent** even though your phone is set to a ring alert profile. Be sure to listen to your ring tone before setting it to make sure it is effective in the environment where you use your phone. |

Problem	Solution
I tried to place a call and heard an alternating high/low tone.	Your call did not reach the wireless system. You may have dialed the number too soon after turning the phone on. Wait until the display shows the name of your service provider before making a call.
I cannot make/ answer calls.	Make sure that you have a phone signal (see the "Signal Strength Indicator" item on page 24). 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 that your antenna is not bent or damaged.
	Also, make sure you have a phone signal (see the "Signal Strength Indicator" item on page 24). Stay clear of any obstructions such as bridges, parking garages, or tall buildings.

Troubleshooting

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 or information services messages, you must set up the appropriate inbox. See page 56.
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: $\textcircled{=}$ > 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 idle display, press: ⟨≡⟩ > **Settings** > **Other Settings** > **Initial Setup** > **DTMF** > **Long** or **Short** **Note:** Some analog networks may not recognize short tones.
My phone's display is too dark.	Use the **Contrast** feature to change the level of contrast in your display. See page 45. You can also use the **Backlight** feature to change the length of time that the display backlight stays on. See page 45.
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 17.
I can't find a file I downloaded.	When your phone memory is full, it writes new downloaded files over the old ones.

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

Problem	Solution
When sending data with the data cable, why does the computer show a connection rate of 19200 Kbps?	19200 Kbps is the data transfer rate of the connection between your computer and the phone in a standard CSD (Circuit Switch Data) connection. The rate of the connection between your phone and the network is displayed on your phone, and will be either 14400 or 9600 Kbps.
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.
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 wireless phone meets the government's requirements for exposure to radio waves.

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

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.[1] Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

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

differ among phone models, depending upon available accessories and regulatory requirements).[2]

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

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

http://phonefacts.net

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

http://www.cwta.ca

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

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

Consumer Information on Wireless Phones from the FDA

FDA

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

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http://www.fda.gov/cellphones/qa.html
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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 <u>do not</u> 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 hands-free 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 hands-free kits reduce risks. Hands-free 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 "hand-free" 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.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	**Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the product.

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

Exclusions

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

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

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

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

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

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

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

Software

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

Exclusions

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

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

Who is Covered?

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

What Will Motorola Do?

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

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

How to Obtain Warranty Service or Other Information

USA	**Phones** 1-800-331-6456
	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 product. Registering helps us facilitate warranty service, and permits us to contact you should your product 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.

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MOTOROLA

Wireless Phone Safety Tips

"Safety is your most important call!"

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

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

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

2 **When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless

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

3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.

4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a "to do" list or going through your address book takes attention away from your primary responsibility—driving safely.

6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.

8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*

9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*

10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

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

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

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important call

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