INSTRUCTION MANUAL

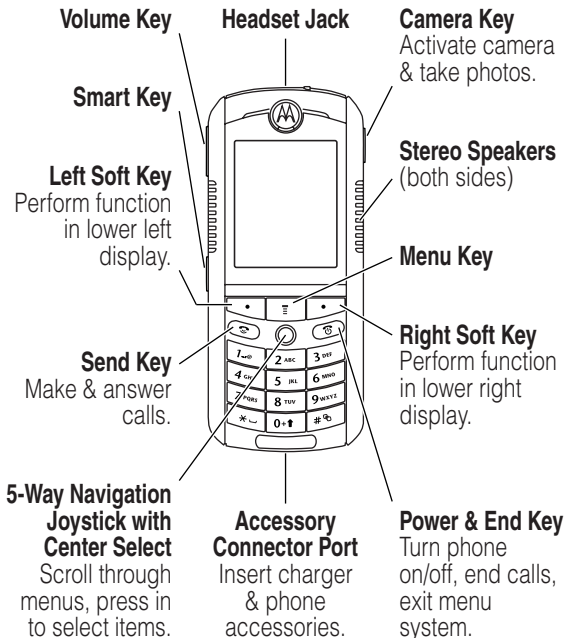A preliminary draft copy of the Users Manual follows:

EXHIBIT 8

MOTOROLA
intelligence everywhere™

MOTOMANUAL

E790
GSM

HELLOMOTO

Introducing your new Motorola E790 GSM wireless phone. Here's a quick anatomy lesson.

Volume Key

Headset Jack

Camera Key
Activate camera & take photos.

Smart Key

Left Soft Key
Perform function in lower left display.

Stereo Speakers
(both sides)

Menu Key

Send Key
Make & answer calls.

Right Soft Key
Perform function in lower right display.

5-Way Navigation Joystick with Center Select
Scroll through menus, press in to select items.

Accessory Connector Port
Insert charger & phone accessories.

Power & End Key
Turn phone on/off, end calls, exit menu system.

check it out!

Camera Key
Activate camera & take photos.

Mirror
Aim camera lens for self portraits.

Camera Lens

Stereo Speakers
(both sides)

Integrated Short-Range Light

feature	
download music files	Use the memory card as the default USB connection: [☰] > Settings > Connection > USB Settings > Memory Card On your computer, open iTunes, connect your phone to your computer, and drag and drop music files to your phone.
play music	Play a song on your phone: iTunes > Songs > song name > Play **Tip:** Your phone must be disconnected from your computer to play songs.

feature	
create playlist	Create a playlist of songs on your phone:
	On your computer, open iTunes, click the Add (+) button, and type a name for the playlist. Then drag songs from your music library to your playlist.
	Connect your phone to your computer and drag and drop the playlist onto your phone.
rhythm lights	Activate lights to flash in sync with the sounds around you:
	$\boxed{\equiv}$ > Settings > Personalize > Rhythm Lights
ring lights	Choose ring lights for incoming calls:
	$\boxed{\equiv}$ > Settings > Ring Styles> Ring Lights > > light pattern
take photo & send	Press $\boxed{\square}$ to activate the camera. Point lens and press CAPTURE to take a photo.
	To send, press the STORE key and select Send In Message.
phone skin	Apply different skins to the display:
	$\boxed{\equiv}$ > Settings > Personalize> Skin > skin
send multimedia message	Send a message with pictures, animations, sounds, and videos:
	$\boxed{\equiv}$ > Messages > Create Message > New Multimedia Message

Caution: Changes or modifications made in the radio phone, not expressly approved by Motorola, will void the user's authority to operate the equipment.

The information contained in Motorola's user's guides is believed to be correct at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice. The contents of Motorola's user's guides are provided "as is." Except as required by applicable law, no warranties of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, are made in relation to the accuracy, reliability, or contents of this guide.

Manual Number: 68XXXXXX92-O

contents

Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.[1]

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 instructions.

External Antenna Care

If your phone has an external antenna, use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and/or may result in non-compliance with local regulatory requirements in your country.

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.

Phone Operation

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

Body-Worn Operation: Voice Communication

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting voice communications, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines.

If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 2.5 centimeters (1 inch) 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 2.5 centimeters (1 inch) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries, antennas, and convertible covers, 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.

Note: 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.

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

Turn off your wireless device whenever instructed to do so by airline staff. If your device offers a flight mode or similar feature, consult airline staff about use in flight. If your device offers a feature that automatically turns on the phone, then turn off this feature before boarding an airplane or entering an area where the use of wireless devices is restricted.

Medical Devices

Pacemakers

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

Persons with pacemakers should:

- ALWAYS keep the phone more than 15 centimeters (6 inches) 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. Using a phone may be distracting in certain circumstances. Discontinue a call if you can't concentrate on driving.

- Use handsfree operation, if available.

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

Responsible driving best practices can be found in the "Wireless Phone Safety Tips" at the end of this guide and/or 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.

Gas or Petrol Stations

Obey all posted signs with respect to the use of radio equipment in gas or petrol stations. Turn off your wireless device if instructed by authorized staff.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

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

Blasting Caps and Areas

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

Damaged Products

If your phone or battery has been submerged in water, punctured, or subjected to a severe fall, do not use it until you take it to a Motorola Authorized Service Center to determine if it has been damaged. Do not attempt to dry it with an external heat source, such as a microwave oven.

Batteries and Chargers

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 hot. Take care when handling a charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola Original™ batteries and chargers.**

Caution: To avoid risk of personal injury, do not dispose of your battery in a fire.

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

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

Choking Hazards

Your phone or its accessories may include detachable parts, which may present a choking hazard to small children. Keep your phone and its accessories away from small children.

Seizures/Blackouts

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

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

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms

occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

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

- Do not play or use a flashing-lights feature if you are tired or need sleep.

- Take a minimum of a 15-minute break hourly.

- Play in a room in which all lights are on.

- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you repetitively perform actions such as pressing keys or entering finger-written characters, 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.

1. The information provided in this document supersedes the general safety information in user's guides published prior to January 28, 2005.

European Union Directives Conformance Statement

$C\epsilon$ Hereby, Motorola declares that this product is in compliance with:

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

```
IMEI: 350034/40/394721/9

C€ 0168
Type: MC2-41H14
```

Product Approval Number

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

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

Caring for the Environment by Recycling

When you see this symbol on a Motorola product, do not dispose the product with household waste.

Recycling Mobile Phones and Accessories

Do not dispose of mobile phones or electrical accessories, such as chargers or headsets, with your household waste. In some countries or regions, collection systems are set up to handle electrical and electronic waste items. Contact your regional authorities for more details. If collection systems aren't available, return unwanted mobile phones or electrical accessories to any Motorola Approved Service Centre in your region.

essentials

> **CAUTION:** Before using the phone for the first time, read the *Important Safety and Legal Information* included in the gray-edged pages at the back of this guide.

about this guide

This guide shows how to locate a menu feature as follows:

Find it: Press ▣ > Recent Calls > Dialed Calls

This example shows that, from the home screen, you press ▣ to open the menu, highlight and select 🕭 Recent Calls, then highlight and select Dialed Calls.

Press ·Ọ· to scroll to and highlight a menu feature. Press the SELECT key to select the highlighted menu feature.

symbols	
⒜	This means a feature is network/subscription dependent and may not be available in all areas. Contact your service provider for more information.
⒝	This means a feature requires an optional accessory.

SIM card

Your *Subscriber Identity Module* (SIM) card contains personal information like your phone number and phonebook entries.

Caution: Don't bend or scratch your SIM card. Keep it away from static electricity, water, and dirt.

1.

2.

3.

4.
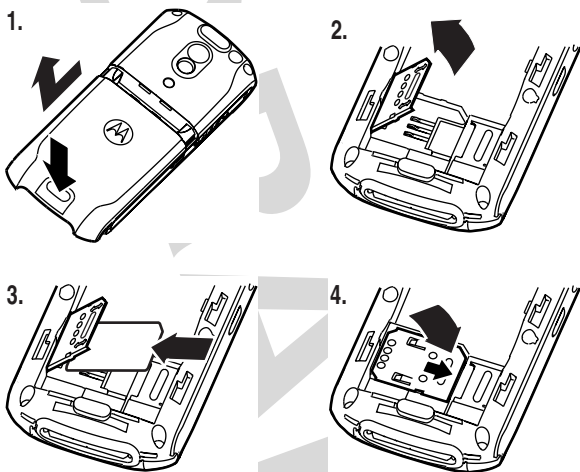
battery

battery tips

Battery life depends on the network, signal strength, temperature, features, and accessories you use.

- Always use Motorola Original batteries and chargers. The warranty does not cover damage caused by non-Motorola batteries and/or chargers.

MOTOROLA™
ORIGINAL

- New batteries or batteries stored for a long time may take more time to charge.

- When charging your battery, keep it near room temperature.

- When storing your battery, keep it uncharged in a cool, dark, dry place, such as a refrigerator.

- Never 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.

- It is normal for batteries to gradually wear down and require longer charging times. If you notice a change in your battery life, it is probably time to purchase a new battery.

Contact your local recycling center for proper battery disposal.

Warning: Never dispose of batteries in a fire because they may explode.

Before using your phone, read the battery safety information in the "Safety and General Information" section included in the gray-edged pages at the back of this guide.

battery installation

1.

2.

3.
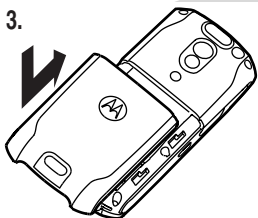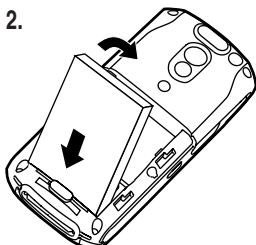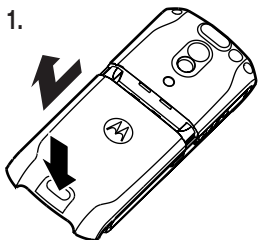
battery charging

New batteries are not fully charged. Plug the travel charger into your phone and an electrical outlet. Your phone displays **Charge Complete** when finished.
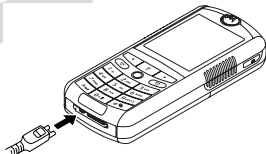
Tip: Relax, you can't overcharge your battery. It will perform best after you fully charge and discharge it a few times.

turn it on & off

Caution: On power up, the phone may prompt you to enter your SIM card PIN code to unlock the SIM card. If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked. Contact your service provider.

To turn on your phone, press and hold
⚙ for a few seconds or until the
display turns on. If prompted, enter
your 6-digit SIM card PIN code and/or
4-digit unlock code.
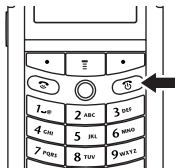
Note: You might be prompted to
personalize your phone. Select Yes to set them, or No to go to the idle display. You can set your personal options later, see page 70.

To turn off your phone, press and hold ⚙ for 2 seconds.

make a call

Enter a phone number and press ⊙ to make a call.

answer a call

When your phone rings and/or vibrates, press ⊙ to answer. To "hang up," press ⚙.

your phone number

From the home screen, press ▤ ⌗ to see your number.

Tip: Want to see your phone number while you're on a call? Press ▤ > My Tel. Numbers.

To store or edit your name and number on your SIM card, press the EDIT key while displaying it. If you don't know your phone number, contact your service provider.

main attractions

You can do much more with your phone than make and receive calls!

use iTunes

iTunes is a software application you use to manage the music on your computer and transfer music to your phone. You can use iTunes to purchase and download music for your phone, listen to CDs and digital music, and create playlists of your favorite songs on your phone.

on the phone

From the home screen, press the **iTunes** key to see the iTunes dsiplay.

Song Running Time

Previous/Rewind

iTunes

Left Soft Key Label

Menu Indicator

Play

Next/Fast Forward

Right Soft Key Label
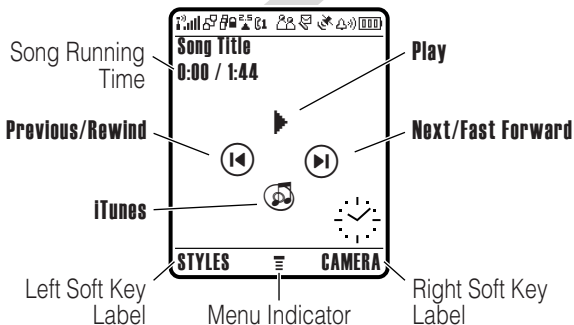
opening iTunes

Press the *navigation key* S down to select $. The iTunes menu displays.

```
[status bar icons]
          ━━━━━━━━━━━━
             iTunes
Playlist              >
Artists               >
Albums                >
Songs                 >
Shuffle Songs         >



EXIT         ☰        PLAY
```

playing songs

To play an individual song, use S to scroll to **Songs** > song name and press the **PLAY** key. To play all the songs in a list, use S to scroll to **Albums**, **Artists**, or **Playlist**. Then use S to scroll right, select **All** and press the **PLAY** key.

Tip: Your phone must be disconnected from your computer to play songs. Don't disconnect your phone while music is being transferred.

iTunes controls

feature	
turn iTunes off & on	Press the **iTunes** key.
select a menu item	Use $\hat{\mathbf{Q}}$ to scroll to menu items, and select by pressing right.
	To return to a previous item, press $\hat{\mathbf{Q}}$ left.
	Tip: You can use the left and right soft keys to **PLAY** songs or **EXIT** menus.
pause a song	From the home screen iTunes display, press $\hat{\mathbf{Q}}$ up to toggle between Play (▶)/Pause(❙❙). Or from iTunes press the **PAUSE** key.
start a song over	Press **Previous/Rewind**.
play the previous song	Press **Previous/Rewind** twice.
fast forward	Press **Next/Fast Forward**.
rewind	Press **Previous/Rewind**.
shuffle songs	Press ◉ for the iTunes menu. Use $\hat{\mathbf{Q}}$ to scroll to **Shuffle Songs** and press **PLAY**.

with your computer

using the iTunes Music Store

Using iTunes, you can preview, purchase, and download your favorite songs from the iTunes Music Store (available in some

countries only). There are hundreds of thousands of songs available for purchase. You can use an Apple Account to purchase songs from the music store, or if you have an American Online (AOL) Account, you can use that.

To browse for and purchase music:

1 Open iTunes and click Music Store in the Source List.

2 Click the Account button and follow the on screen instructions to set up an account or enter your existing Apple Account or AOL account information.

3 Once logged into your account, browse and purchase music.

Tip: When you purchase a song it appears in the Purchased Music playlist. You can drag and drop these songs into playlists you create or directly onto your phone.

For more information about the iTunes Music Store open iTunes and choose Help > iTunes and Music Store Help.

downloading music

First, set up the phone to use the memory card as the default USB connection. On your phone: $\boxed{\equiv}$ > Settings > Connection > USB Settings > Memory Card

On your computer, open iTunes, connect your phone to your computer, and when the phone appears as a source, drag and drop music files to your phone.

Note: When the music is done being downloaded to your phone, your phone screen displays OK to Disconnect. Remove the

USB cable. Press the large button and pull the USB cable from the phone.

create a playlist

In iTunes, click the **Add** (+), and type a name for the playlist. Then drag songs from your music library to your playlist.Connect your phone to your computer and drag and drop the playlist onto your phone.

Tip: Your phone must be disconnected from your computer to play songs. Don't disconnect your phone while music is being transferred.

take & send a photo

From the home screen, press the **CAMERA** key to see the camera viewfinder:

Press ⊕ up or down to zoom in or out.

Press ⊕ left or right to decrease or increase image brightness.

IMAGE
AREA

Photo Storage
Space Used
(Phone or
Memory Card)

Photo Viewfinder
Memory Used:72%

Press
CAPTURE (⊡)
to take a photo.

BACK ☰ CAPTURE

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

Press ☰ to open
Pictures Menu.
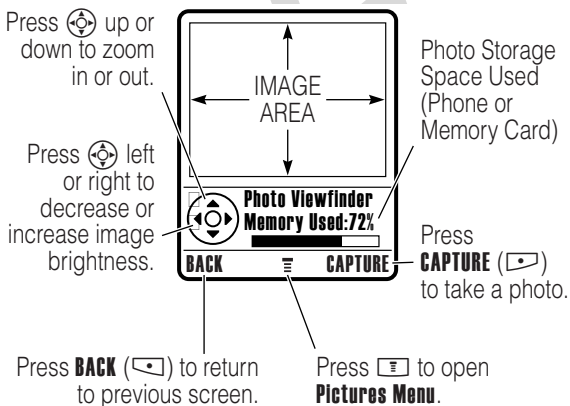
Tip: To adjust lighting conditions press M > Pictures Set-up > Lighting Conditions > CHANGE

1 Point the camera lens at the photo subject.

2 Press the **CAPTURE** key to take a photo.

- To delete the photo and return to the active viewfinder, press the **DISCARD** key.

- To store or send the photo, press the **STORE** key.

 Your storage options are **Send in Message**, **Print and Store**, **Store Only**, **Apply as Wallpaper**, **Apply as Screen Saver**, or **Apply as Phone Entry**.

 You can use the **Print and Store** option to print the picture over a Bluetooth.® connection (see page 29).

self portrait

1 Press the **CAMERA** key to activate the camera.

2 Press M > **Auto-Timed Capture**.

3 Press ·Ṡ· left or right to set a 5 or 10 second timer delay, then press the **START** key.

4 Aim the camera lens.

5 When you hear the camera click your photo is displayed.

camera settings

Press M in the viewfinder to open the **Pictures Menu**. This menu can include:

main attractions **27**

option	
Go To Pictures	View stored pictures and photos.
Switch Storage Device	Save the photo on the phone or memory card.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Pictures Setup	Adjusts picture settings.
Switch Storage Device	Save the photo on the phone or memory card.
View Free Space	See how much memory remains for storing pictures.

record & play video clip

record video clip

Find it: Press `≡` > Multimedia > Videos > [New Video]

The active viewfinder image displays.

Press ◉ up or down to pause or play video clip.

Press ◉ left or right to skip to previous or next video clip.

VIDEO CLIP AREA

Video Clip Name
Playing
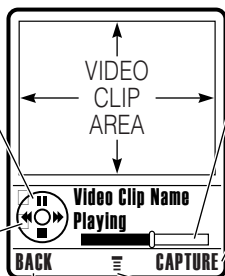
BACK ≡ CAPTURE

Timer indicates % played.

Press **CAPTURE** (⌐) to start recording video.

Press ⎕ to open **Videos Menu**.

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

Note: You can zoom only before you start recording.

1 Point the camera lens at the video subject.

2 Press the **CAPTURE** key to begin video recording.

3 Press the **STOP** key to stop video recording.

 • To delete the video clip and return to the active viewfinder, press the **DISCARD** key.

 • To store the video clip, press the **STORE** key.

   Your storage options are **Send in Message** or **Store Only**.

play video clip

Find it: Press 🔲 > Multimedia > Videos > *video clip*

The video clip displays in the playback screen.

Press ⊙ up or down to pause or play video clip.

VIDEO CLIP AREA

Timer indicates % played.

Press **DETAILS** (⬚) to view video clip information.

Press ⊙ left or right to skip to previous or next video clip.

Video Clip Name Playing

BACK　≡　**DETAILS**

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

Press 🔲 to open **Videos Menu**.
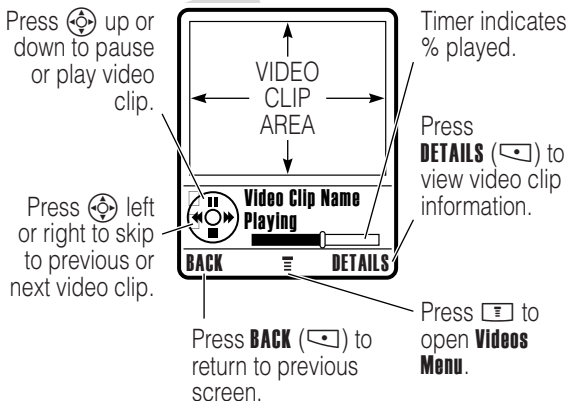
video settings

Press 🔲 in the viewfinder to open the **Videos Menu**. This menu can include:

option	
Go To Videos	View video clips stored on your phone.
Switch Storage Device	Save the video on the phone or memory card.

option	
Videos Setup	Open the setup menu to adjust video settings.
	Note: If you set Video Length to Maximum, your network might not let you send the video clip in a multimedia message. If necessary, ask your service provider about limitations.
View Free Space	See how much memory remains for storing video clips.

multimedia messages

For more message features, see page 65.

send a multimedia message

A *Multimedia Messaging Service* (MMS) message contains pages with text and media objects (including photos, pictures, animations, or sounds). You can send the multimedia message to other MMS-capable phones, and to email addresses.

Find it: Press [☰] > Messages > Create Message > New Multimedia Msg

1 Press keypad keys to enter text on the page (for details about text entry, see page 39).

To insert a **picture, sound, or other object** on the page, press [☰] > Insert. Select the file type and the file.

To insert **another page** in the message, enter text or objects on the current page and press
g > Insert > New Page. You can enter more text and objects on the new page.

2 When you finish the message, press the OK key.

3 Choose one or more people for Send To:

To select a **phonebook entry**, highlight the entry and press the ADD key. Repeat to add other phonebook entries.

To **enter** a new number, highlight [One Time Entry] and press the SELECT key.

To **enter and store** a new number, highlight [New Phonebook Entry] and press the SELECT key.

4 When you finish entering numbers/addresses, press the DONE key. Your phone displays the message fields.

To enter a **subject** for the message, highlight Subject and press the CHANGE key.

To **attach a file** to the message, highlight Attachments and press the CHANGE key. Select the file type and the file.

To request a **delivery receipt** for the message, highlight Receipt and press the CHANGE key. Press the ADD key.

5 To **send** the message, press the SEND key.

To **cancel or save** the message as a Draft, press g.

receive a multimedia message

When you receive a multimedia message or letter, your phone plays an alert and displays **New Message** with a message indicator such as ⌷.

Press the **READ** key to open the message.

- Photos, pictures, and animations display as you read the message.

- A sound file plays when its page displays. Use the volume keys to adjust the sound volume.

  Note: In a multimedia letter, you may have to highlight an indicator in the text to play a sound file.

- Attached files are added to the end of the message. To open an attachment, highlight the file indicator/filename and press the **VIEW** key (image), **PLAY** key (sound), or **OPEN** key (phonebook vCard, datebook vCalendar entry, or unknown file type).

lights

club lights

You can set your phone's display and keypad to flash rhythm lights in sync with the music and sounds around you.

Find it: Press `≡` > Settings > Personalize > Club Lights

option	
Pattern	Choose a the light pattern to activate the club lights, or turn the lights **Off**.

option	
Timer	Set how long the club lights stay active (up to 10 minutes).
Sensitivity	Set how loud the surrounding music or sounds must be for the club lights to respond. Values range from 1 (least sensitive) to 7 (most sensitive).

Note: Don't expect the club lights to work when your battery is low or when you are on a phone call. The lights pause when you receive a call or message or if you press a key.

If you want your phone keypad and display to flash for incoming calls and messages, you need to set ring lights (see the following section).

ring lights

Use ring lights to set up your phone to flash a light pattern when receiving a call or message.

Find it: $\boxed{\equiv}$ > Settings > Ring Styles > Ring Lights > *light pattern*

Tip: The same light pattern displays for all calls. If you want specific light patterns for calls from a specific phonebook category, use the light ID feature (see page 62).

event lights

You can set up event lights for your phone to display a light pattern when there are: incoming calls from phonebook categories, incoming text and voicemail messages, alarms,

power up, power down, battery charging, Bluetooth®
connect, Bluetooth activity, and Bluetooth disconnect.

To turn even lights on or off:

Find it: ▤ > Settings > Ring Styles > Event Lights > On or Off

memory card

You can use a removable memory card with your phone
to store and retrieve multimedia objects (such as
photos and sounds).

install a memory card

Note: If you install the memory card when your phone is
turned on, you might have to turn the phone off and on again
before you try to use the card. Do not remove your memory
card while your phone is using or writing files on it.
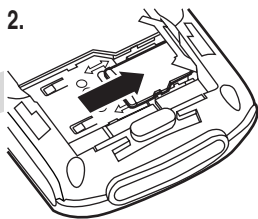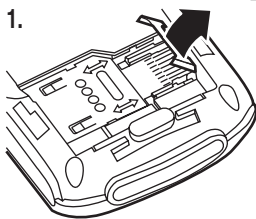
3.
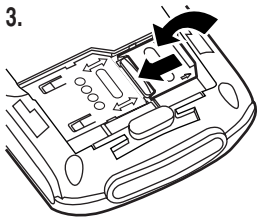
Caution: Don't bend or scratch your memory card. Keep it away from static electricity, water, and dirt.

see and change memory card information

Find it: Press 🔲 > Settings > Phone Status > Storage Devices

1 Press ·Ŏ· to highlight the memory card.

2 Press the DETAILS key to see memory card information

or

Press 🔲 to see the **Storage Device** menu, which lets you Format or Rename the memory card.

To see memory card files, open a file list (such as Pictures or Sounds) and press 🔲 > Switch Storage Device > TRANS. To see files stored on your phone again, press 🔲 > Switch Storage Device > Phone.

connect the memory card to a computer

You can access your phone's memory card with a PC.

Note: When your phone is connected to a computer, you can only access the memory card through the computer.

On your phone:

Press $\boxed{\Xi}$ > Settings > Connection > USB Settings > Memory Card.

This directs the USB connection to your memory card. Attach the Motorola Original USB cable to the accessory port on your phone and to an available USB port on your computer. Then follow these steps:

On your computer:

1 Find where your phone's memory card displays as a "Removable Disk" icon. On a PC this is the "My Computer" window. On a Mac the icon appears on the desktop.

2 Double-click on the "Removable Disk" icon to access the files on your phone's memory card.

3 To store the desired files onto the memory card, drag and drop them as follows: **MP3 files:** > mobile > audio
screen savers: > mobile > picture
wallpapers: > mobile > picture
video clips: > mobile > video

4 When you finish, you need to remove the device safely from your computer:

If you are using a PC, right-click the "Safely Remove Hardware" icon in the system tray at the bottom of your computer screen. Then select "USB Mass Storage Devices" and "Stop".

If you are using a Mac, select and drag the "Removable Disk" icon to the "Trash."

5 Select "USB Mass Storage Device" then "OK".

On your phone:

To return to **Data Fax** as your USB default connection, press
[✉] > **Settings** > **Connection** > **USB Settings** > **Data/Fax Connection**.

store and use protected content

If you try to play a copyrighted file, it might ask you to download a license. Some licenses only let you play a file for a certain number of times or days. You cannot send, copy, or change copyrighted files.

For example, a license may allow you to play the content of your download 5 times or use the content for 3 days before it expires.

To activate downloaded copyrighted files:

Find it: Press [✉] > > **Activation List** > *file type* > *file*

You can see file's **Status**, **Type**, **Activation**, and **Counts Remaining**.

Bluetooth® connections

Your phone supports Bluetooth wireless connections. You can set up a wireless link with a Bluetooth headset or car kit, or connect to another device to exchange and synchronize files.

turn Bluetooth power on or off

Find it: Press $\boxed{\Xi}$ > Settings > Connection > Bluetooth Link > Setup > Power > On

When Bluetooth power is on, a handsfree accessory can automatically reconnect to your phone when you turn on the accessory or move it within range of the phone.

To extend battery life, use the above procedure and set Bluetooth power to **Off** when not in use.

connect a headset or handsfree device

Find it: Press $\boxed{\Xi}$ > Settings > Connection > Bluetooth Link > Handsfree > [Look For Devices]

Note: If Bluetooth power is turned off, your phone prompts you to turn it on.

Your phone scans for devices, and displays the ones it finds within range. Highlight a device name and press the **SELECT** key to connect. When your phone is connected, the Bluetooth indicator $\aleph$ displays in the home screen.

- You can only connect your phone to one device at a time.

- The device may request permission to bond with your phone. Press the **YES** key and enter the correct PIN code to create a secure connection with the device.

send objects to another device

You can use a Bluetooth wireless connection to send a media object, phonebook entry, datebook event, or bookmark from your phone to another device.

1 Highlight the object on your phone that you want to send to the other device, then press $\boxed{\equiv}$ > **Copy** or **Send**.

2 Select a recognized device name listed in the **Object Exchange** menu, or **[Look For Devices]** to search for the device to which you want to send the object.

advanced Bluetooth® features

feature		
make phone visible to other device	Allow a Bluetooth device to discover your phone: $\boxed{\equiv}$ > **Settings** > **Connection** > **Bluetooth Link** > **Setup** > **Find Me**	
connect to recognized device	Connect to a recognized handsfree device: $\boxed{\equiv}$ > **Settings** > **Connection** > **Bluetooth Link** > **Handsfree** > *device name*	
disconnect from device	Highlight the device name and press the **DROP** key.	
switch to device during call	Switch to a headset or car kit during a call: $\boxed{\equiv}$ > **Use Bluetooth**	

feature		
move multimedia object to device	Move a multimedia object to another device:	📇
	Highlight the object, press 🗐 > Move, select the device name.	
	Caution: Moving an object **deletes** the original object from your phone.	
edit device properties	Edit the properties of a recognized device:	📇
	Highlight the device name, press 🗐 > Edit.	
set Bluetooth options	Highlight the device name, press 🗐 > Settings > Connection > Bluetooth Link > Setup	📇

basics

See page 1 for a basic phone diagram.

display

The *home screen* displays when you turn on the phone. To dial a number from the home screen, press number keys and ⊙.

Note: Your home screen may look different than the one below, depending on your service provider.

Date — **Service Provider** 10/15/04

Messages

Recent Calls

Browser

Phonebook

Clock

Left Soft Key Label — STYLES

Menu Indicator — ☰

Right Soft Key Label — CAMERA
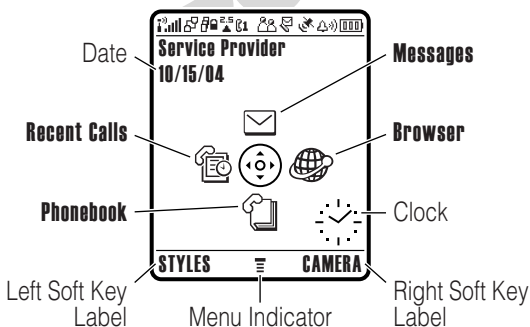
The *menu indicator* ☰ shows that you can press 🔳 to open the menu. *Soft key labels* show the current soft key functions. For soft key locations, see page 1.

Press ·Ö· up, down, left, or right to open basic menu features identified by the *menu feature icons* in the home screen. (You

can select these menu features even when the icons are hidden from view.) Press ⊙ to return to the home screen.

Status indicators can display at the top of the home screen:

4. Roam   **5.** Active Line   **6.** Messaging Presence   **7.** Message

3. Signal Strength   **8.** Battery Level

2. GPRS

1. Data Transmission   **9.** Ring Style

10. Location

STYLES   ☰   CAMERA
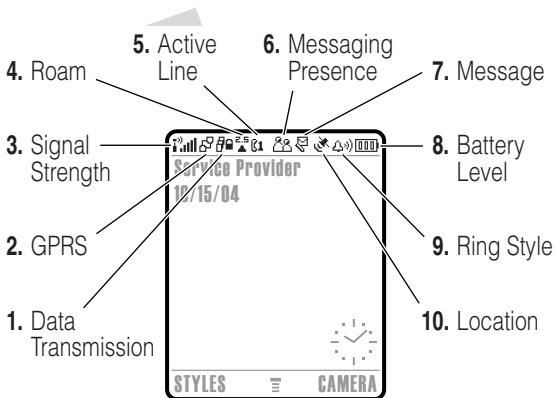
1   Data Indicator – Shows connection status. The Bluetooth® wireless connection indicator ≵ shows when a Bluetooth connection is active. Other indicators can include:

$Β_■$ = secure packet data transfer

$\overrightarrow{Φ}$ = unsecure packet data transfer

$■_■$ = secure application connection

$■_■$ = unsecure application connection

$↹$ = secure *Circuit Switch Data* (CSD) call

$↹$ = unsecure CSD call

2   EDGE/GPRS Indicator – Shows when your phone is using a high-speed *Enhanced Data for GSM*

Evolution (EDGE) or *General Packet Radio Service* (GPRS) network connection. Indicators can include:

🔠 = GPRS PDP context active

🔠 = EDGE

🔠 = GPRS packet data available

3 Signal Strength Indicator – Vertical bars show the strength of the network connection. You can't make or receive calls when 🔠 or 🔠🗙 displays.

4 Roam Indicator – The roam indicator ▲ shows when your phone is seeking or using a network outside your home network. Other indicators can include:

🔠 = 2G home
🔠 = 2G roam
🔠 = 2.5G home
🔠 = 2.5G roam

5 Active Line Indicator – Shows 🔠 to indicate an active call, or 🔠 to indicate when call forwarding is on. Indicators for dual-line-enabled SIM cards can include:

🔠 = line 1 active
🔠 = line 2 active
🔠 = line 1 active, call forward on
🔠 = line 2 active, call forward on

6 Messaging Presence Indicator – Shows when Instant Messaging (IM) is active. Indicators can include:

$\overset{\text{\tiny A}}{\text{(B)}}$

$\overset{\text{o}}{\text{C}}\overset{\text{o}}{\text{B}}$ = IM active $\overset{\text{\tiny x}}{\boxtimes}$ = available for IM

$\overset{\text{\tiny x}}{\boxtimes}$ = busy $\boxtimes$ = invisible to IM

$\overset{\text{\tiny x}}{\text{(C)}}$ = available for phone $\boxtimes$ = offline
calls

7 Message Indicator – Shows when you receive a new message. Indicators can include:

$\overset{\text{\tiny A}}{\text{(B)}}$

$\overline{\boxtimes}$ = text message $\boxtimes$ɔ = voicemail message

$\overline{\boxtimes}^{\text{ɔ}}$ = voicemail & text
message

$\boxtimes$ = IM message $\wp$ = active chat session

$\textbf{\textit{狟}}$ = IM message

8 Battery Level Indicator – Vertical bars show the battery charge level. Recharge the battery when your phone shows Low Battery.

9 Ring Style Indicator – Shows the ring style setting.

φ⟩ = loud ring φɔ = soft ring

$\overset{\text{\tiny 狟}}{\text{|||}}$ = vibrate $\flat\varphi$ = vibrate then ring

φ^{z} = silent

10 Location Indicator – Shows when your phone can send location information $\overset{\text{\tiny }}{\mathcal{C}}$ or not $\overset{\text{\tiny }}{\mathcal{C}}$.

$\overset{\text{\tiny A}}{\text{(B)}}$

basics **45**

menus

From the home screen, press $\boxed{\equiv}$ to open the main menu.

Highlighted Menu Feature Icon

Right Soft Key Perform right function.

Left Soft Key Perform left function.

End Key Exit menu without making changes.

5-Way Navigation Joystick With Center Select Scroll up, down, left, or right. Press in to select menu item.

Menu Key Enter menu system, or open a sub-menu.
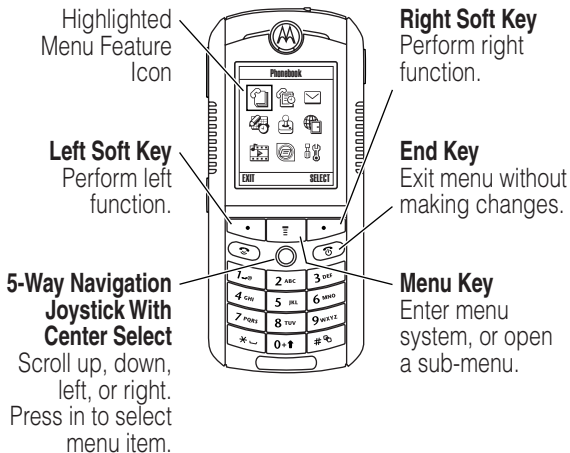
The following menu icons may be available, depending on your service provider and service subscription options.

menu features		
Phonebook	Messages	Recent Calls
Tools	Games & Apps	WebAccess
Multimedia	IM	Settings

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

Press **BACK** (`□`) to go back to previous screen.


```
╓─────────────────────────╖
║ ²ıll              ⟁⟑)⬛   ║
║      Dialed Calls        ║
║▌10) John Smith           ║──── Highlighted Option
║  9) Lisa Owens           ║
║  8) Adda Thomas          ║
║  7) Jack Bradshaw        ║
║  6) Dave Thompson        ║
║  5) John Smith           ║
║  4) John Smith           ║
║  3) John Smith           ║
║ BACK      ☰       VIEW   ║
╙─────────────────────────╜
```

Press **VIEW** (`□`) to view details of highlighted option.

Press `☰` to open sub-menu.
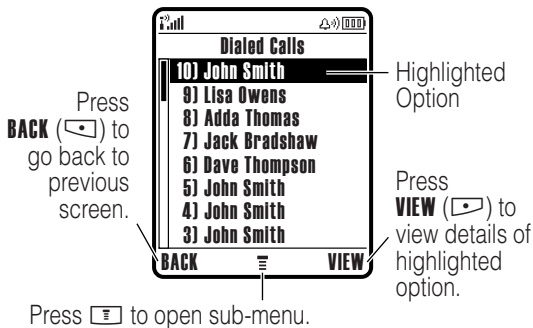
- Scroll up or down to highlight the option you want.

- In a numbered list, press a number key to highlight an option.

- In an alphabetized list, press a key repeatedly to cycle through its letters and highlight the closest matching list option.

- When an option has a list of possible settings, scroll left or right to select the setting.

- When an option has a list of possible numeric values, press a number key to set the value.

text entry

Some features let you enter text.

For indicator descriptions, see following section.

Flashing cursor indicates insertion point.

Press □ to open sub-menu.

Press **CANCEL** (⌐•) to exit without making changes.
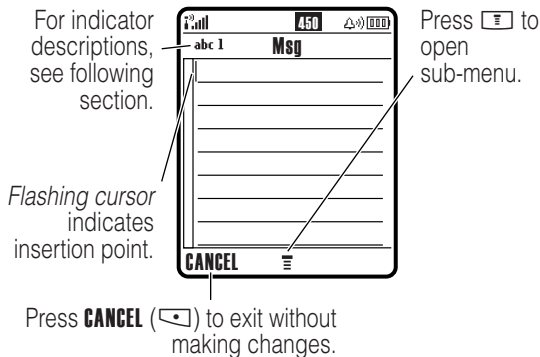
Press #️⃣ in a text entry screen to select an entry mode:

entry mode	
🔤 or **1**	Your **Primary** text entry mode can be set to any iTAP® 🔤 or tap **1** mode.
🔤 or **2**	Your **Secondary** text entry mode can be set to any iTAP 🔤 or tap **2** mode, or set to **None** if you don't want a secondary entry mode.
123	**Numeric** mode enters numbers only.
@	**Symbol** mode enters symbols only.

To set your primary and secondary text entry modes, press
□ > **Entry Setup** in a text entry screen and select **Primary Setup** or **Secondary Setup**.

Tip: WANT TO SHOUT YOUR MESSAGE? Press 0 in a text entry screen to change text case to no capital letters (**abc**), next letter capital (**Abc** with 🕮, 🕮, 1û, or 2û), or all capitals (**ABC** with 🕮, 🕮, 1t, or 2t).

iTAP® mode

Press # in a text entry screen to switch to iTAP mode. If you don't see 🕮 or 🕮, press ☰ > **Entry Setup** to set iTAP mode as your primary or secondary text entry mode.

iTAP mode lets you enter words using one keypress per letter. The iTAP software combines your keypresses into common words, and predicts each word as you enter it.

For example, if you press 7 7 6 4, your phone displays:

Press ⊠ to enter **Prog** and a space.

Press the **DELETE** key to delete last letter.

Press ·Ô· up to accept **Program**.

Press ·Ô· right to highlight another combination.
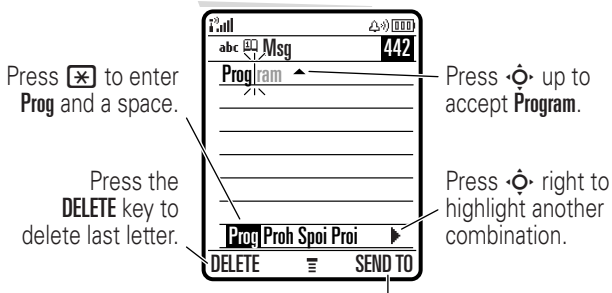
Press the **SEND TO** key to send this message to another phone number or e-mail.

- If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining characters.

- To enter numbers quickly, press and hold a number key to temporarily switch to numeric mode. Press the number keys to enter the numbers you want. Enter a space to change back to iTAP mode.

- Press ① to enter punctuation or other characters.

tap mode

Press Ⓗ in a text entry screen to switch to tap mode. If you don't see **1** or **2**, press Ⓘ > **Entry Setup** to set tap mode as your primary or secondary text entry mode.

To enter text in tap mode, press a keypad key repeatedly to cycle through the letters and number on the key. Repeat this step to enter each letter.

For example, if you press ⑧ one time, your phone displays:

Character displays at insertion point.

After 2 seconds, character is accepted and cursor moves to next position.

Press **DELETE** (⌕) to delete character to left of insertion point.
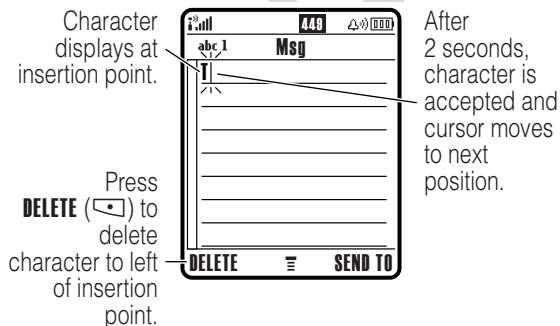
When you enter three or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** your phone might display:
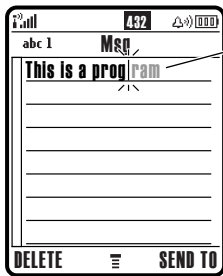
Press §⊕ right to accept **program**, or press L⊠ to reject it and enter a space after **prog**.

- The first character of every sentence is capitalized. If necessary, press ·Ŏ· down to change the character to lowercase before the cursor moves to the next position.

- Press ·Ŏ· to move the flashing cursor to enter or edit message text.

- If you don't want to save your text or text edits, press © to exit without saving.

- *Tap extended* mode cycles through additional special characters and symbols as you repeatedly press a keypad key.

numeric mode

Press # in a text entry screen until you see **123**. Press the number keys to enter the numbers you want.

symbol mode

Press `#` in a text entry screen until you see @. Press a keypad key to show its symbols at the bottom of the display. Highlight the symbol you want, then press the **SELECT** key.

volume

Press the volume keys to:

- turn off an incoming call alert

- change the earpiece volume during a call

- change the ringer volume from the home screen
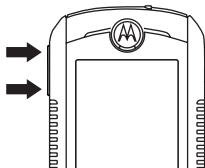
> **Tip:** Sometimes silence really is golden. That's why you can quickly set your ringer to **Vibrate** or **Silent** by pressing the down volume key repeatedly in the home screen.

navigation key

Press the *navigation key* ·Ŏ· up, down, left, or right to scroll and highlight menu items. When you highlight something, press the *center key* ·●· to select it. The center key usually does the same thing as the right soft key.
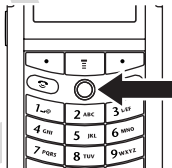
smart key

The smart key gives you another way to do things. For example, when you highlight a menu item, you can press the smart key to select it (instead of pressing the SELECT key). The smart key usually does the same thing as the right soft key. To change what the smart key does in the home screen, see page 71.
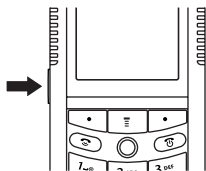
handsfree speaker

You can use your phone's handsfree speaker to make calls without holding the phone to your ear.

During a call, press the SPEAKER key to turn the handsfree speaker on or off. Your phone displays Spkrphone On until you turn it off or end the call.

Note: The handsfree speaker won't work when your phone is connected to a handsfree car kit or headset.

codes & passwords

Your phone's four-digit **unlock code** is originally set to **1234**. The six-digit **security code** is originally set to **000000**. If your service provider didn't change these codes, you should change them:

Find it: Press $\boxed{\equiv}$ > Settings > Security > New Passwords

You can also change your **SIM PIN** or call barring passwords.

If you forget your unlock code: At the Enter Unlock Code prompt, try entering 1234 or the last four digits of your phone number. If that doesn't work, press 🔲 and enter your six-digit security code instead.

If you forget other codes: If you forget your security code, SIM PIN code, PIN2 code, or call barring password, contact your service provider.

lock & unlock phone

You can lock your phone to keep others from using it. To lock or unlock your phone, you need the four-digit unlock code.

To **manually lock** your phone: Press
🔲 > Settings > Security > Phone Lock > Lock Now.

To **automatically lock** your phone whenever you turn it off: Press 🔲 > Settings > Security > Phone Lock > Automatic Lock > On.

Note: You can make emergency calls on a locked phone (see page 55). A locked phone still rings or vibrates for incoming calls or messages, **but you need to unlock it to answer**.

customize

ring style

Each ring style profile uses a different set of sounds or vibrations for incoming calls and other events. Here are the profiles you can choose:

♪꜀ Loud	♪꜀ Soft	꜀꜀ Vibrate
꜀♪ Vibe then Ring	Vibe & Ring	♪꜀ Silent

The ring style profile's indicator displays at the top of your home screen. To choose your profile:

Find it: Press M > Settings > Ring Styles > Style > *style name*

change alerts in a ring style

You can change the alerts for incoming calls and other events. Your changes are saved in the current ring style profile.

Find it: Press M > Settings > Ring Styles > *Style* Detail

Note: *Style* represents the current ring style. You can't set an alert for the **Silent** ring style setting.

1 Highlight **Calls** (or **Line 1** or **Line 2** for dual line phones), then press the **CHANGE** key to change it.

2 Highlight the alert you want, then press the **SELECT** key.

3 Press the **BACK** key to save the alert setting.

time & date

You need to set your phone's time and date to use the datebook.

Find it: Press `≡` > Settings > Initial Setup > Time and Date

To **synchronize** the time and date with the network: Press `≡` > Settings > Initial Setup > Time and Date > Autoupdate > On.

To **manually** set the time and date, turn off Autoupdate, then: Press `≡` > Settings > Initial Setup > Time and Date > Time and Date.

Note: To choose an analog or digital clock for your home screen, press `≡` > Settings > Personalize > Home Screen > Clock.

wallpaper

Set a photo, picture, or animation as a wallpaper (background) image in your home screen.

Find it: Press `≡` > Settings > Personalize > Wallpaper

option	
Picture	Select a picture for your wallpaper image, or None for no wallpaper.
Layout	Select Center to center the image in the display, Tile to repeat the image across the display, or Fit-to-screen to stretch the image across the display.

screen saver

Set a photo, picture, or animation as a screen saver image. The screen saver displays when there is no activity detected for a specified time.

Set a photo, picture, or animation as a screen saver image. The screen saver displays when no activity is detected for a specified time.

Tip: This feature helps save your screen, but not your battery. To extend battery life, turn off the screen saver.

Find it: Press $\boxed{\Xi}$ > Settings > Personalize > Screen Saver

option	
Picture	Select an image for your screen saver, or None for no screen saver.
Delay	Select the length of inactivity before the screen saver displays.

themes

A *phone theme* is a group of image and sound files that you can apply to your phone. Most themes include a wallpaper image, screen saver image, and ring tone. Your phone may come with some themes, and you can download more.

To **apply** a theme: Press $\boxed{\Xi}$ > Multimedia > Themes > *theme*.

To **download** a theme, see page 79.

To **delete** a theme: Press $\boxed{\Xi}$ > Multimedia > Themes, scroll to the theme, and press $\boxed{\Xi}$ > Delete or Delete All.

Note: You can delete only downloaded themes.

display appearance

To choose a phone **skin** that sets the look and feel of your phone's display: Press $\boxdot$ > Settings > Personalize > Skin.

To set your display **contrast**: Press $\boxdot$ > Settings > Initial Setup > Contrast.

To save battery life, your **backlight** turns off when you're not using your phone. The backlight turns back on when you press a key. To set how long your phone waits before the backlight turns off:

Press $\boxdot$ > Settings > Initial Setup > Backlight.

Note: To turn the backlight on or off for Java™ applications, press $\boxdot$ > Settings > Java Settings > App Backlight.

To save battery life, the **display** can turn off when you're not using your phone. The display turns back on when press a key. To set how long your phone waits before the display turns off:

Press $\boxdot$ > Settings > Initial Setup > Display Timeout.

answer options

You can use additional, alternative methods to answer an incoming call. To activate or deactivate an answer option:

Find it: Press $\boxdot$ > Settings > In-Call Setup > Answer Options > Multi-key > On or Off

vibrations

Some ring tones include vibrations. To activate or deactivate the vibration option:

Find it: Press $\boxdot$ > Settings > Initial Setup > Haptics > On or Off

calls

To make and answer calls, see page 11.

turn off a call alert

You can press the volume keys to turn off a call alert before answering the call.

recent calls

Your phone keeps lists of incoming and outgoing calls, even for calls that didn't connect. The most recent calls are listed first. The oldest calls are deleted as new calls are added.

Shortcut: Press $\textcircled{0}$ from the home screen to see the dialed calls list.

Find it: Press $\boxed{\Xi}$ > Recent Calls

1 Highlight **Received Calls** or **Dialed Calls**, then press the **SELECT** key.

2 Highlight a call. A $\checkmark$ next to a call means the call connected.

- To call the number, press $\textcircled{0}$.

- To see call details (like time and date), press the **VIEW** key.

- To see the **Last Calls Menu**, press $\boxed{\Xi}$. This menu can include:

option	
Store	Create a phonebook entry with the number in the **No.** field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Hide ID/Show ID	Hide or show your caller ID for the next call.
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 calls lists.
Send Tones	Send the number to the network as DTMF tones. This option displays only during a call.
Talk then Fax	Talk and then send a fax in the same call (see page 75).

redial

1 Press 🔘 from the home screen to see the dialed calls list.

2 Highlight the entry you want to call, then press 📞.

If you hear a **busy signal** and you see Call Failed, Number Busy, press 🔘 or the RETRY key to redial the number. When the call goes through, your phone rings or

vibrates one time, displays **Redial Successful**, and connects the call.

return a call

Your phone keeps a record of your unanswered calls, and displays **X Missed Calls**, where **X** is the number of missed calls.

1 Press the **VIEW** key to see the received calls list.

2 Highlight the call you want to return, then press 🔘.

notepad

The last set of digits entered on the keypad are stored in *notepad* memory. This can be the last phone number you called, or a number that you "jot down" during a call for later use. To see the number stored in the notepad:

Find it: Press 🔳 > **Recent Calls** > **Notepad**

- To call the number, press 🔘.

- To create a phonebook entry with the number in the **No.** field, press the **STORE** key.

- To open the **Dialing Menu** to attach a number or insert a special character, press 🔳.

hold or mute a call

To put all active calls on hold, press 🔳 > **Hold**.

To put all active calls on mute, press 🔳 > **Mute**.

call waiting

When you're on a call, you'll hear an alert if you receive a second call.

Press 🔘 to answer the new call.

- To switch between calls, press the **SWITCH** key.

- To connect the two calls, press the **LINK** key.

- To end the call on hold, press ☰ > **End Call On Hold**.

To turn the call waiting feature on or off:

Find it: Press ☰ > **Settings** > **In-Call Setup** > **Call Waiting**

caller ID

Calling line identification (caller ID) shows the phone number for an incoming call in your external and internal displays.

Your phone shows the caller's name and picture when they're stored in your phonebook, or **Incoming Call** when caller ID information isn't available.

You can set your phone to play a distinctive ringer ID for specific entries stored in your phonebook (see page 61).

You can set your phone to display a distinctive light ID for specific entries stored in your phonebook (see page 62).

To show or hide **your phone number** for the next outgoing call, enter digits in the display, then:

Find it: Press ☰ > **Hide ID/Show ID**

emergency calls

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

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.

1 Press the keypad keys to dial the emergency number.

2 Press ⊙ to call the emergency number.

international calls

If your phone service includes international dialing, press and hold **0** to insert your local international access code (indicated by +). Then, press the keypad keys to dial the country code and phone number.

1-touch dial

To call phonebook entries 1 through 9, press and hold the single-digit speed dial number for one second. (To store phonebook entries on your phone, see page 59.)

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

Find it: Press **□** > Settings > Initial Setup > 1 Touch Dial > Phone or SIM

You can set 1-touch dial to call the entries in your phone's memory phonebook, your SIM card's phonebook, or your Fixed Dial list:

Find it: Press $\boxed{\equiv}$ > Settings > Initial Setup > 1 Touch Dial > Phone, SIM, or Fixed Dial

voicemail

Your network stores the voicemail messages you receive. To listen to your messages, call your voicemail number.

Note: Your service provider may include additional information about using this feature.

When you **receive** a voicemail message, your phone displays the voicemail message indicator $\boxtimes$ and New Voicemail. Press the CALL key to listen to the message.

To **check** voicemail messages:

Find it: Press $\boxed{\equiv}$ > Messages > Voicemail

Your phone may prompt you to store your voicemail phone number. If you don't know your voicemail number, contact your service provider

Note: You can't store a **p** (pause), **w** (wait), or **n** (number) character in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail.

calls   **65**

other features

advanced calling

feature		
conference call	During a call: Dial next number, press 🔘, press the **LINK** key.	📞
transfer a call	During a call: ☰ > **Transfer**, dial transfer number, press 🔘	📞
attach a phone number	Dial an area code or prefix for a phonebook number, then: ☰ > **Attach Number**	📞
speed dial	Speed dial a phonebook entry: Enter speed dial number, press #️⃣, press 🔘. **Tip:** If you forget Aunt Mildred's speed dial number, press ☰ > **Phonebook**, highlight her entry, and press the **VIEW** key.	📞
call forwarding	Set up or cancel call forwarding: ☰ > **Settings** > **Call Forward**	📞
call barring	Restrict outgoing or incoming calls: ☰ > **Settings** > **Security** > **Call Barring**	📞

feature		
TTY calls	Set up your phone for use with an optional TTY device: $\boxed{=}$ > Settings > Initial Setup > TTY Setup	⊕Å"
change phone line	If you have a dual-line-enabled SIM card, you can change your line to make and receive calls from your other phone number. $\boxed{=}$ > Settings > Phone Status > Active Line The active line indicator shows the active phone line (see page 35).	⊕Å"
fixed dial	When you turn on fixed dialing, you can call only numbers stored in the fixed dial list. Turn fixed dialing on or off: $\boxed{=}$ > Settings > Security > Fixed Dial Use the fixed dial list: $\boxed{=}$ > Tools > Dialing Services > Fixed Dial	⊕Å"
service dial	Dial service phone numbers: $\boxed{=}$ > Tools > Dialing Services > Service Dial	⊕Å"
quick dial	Dial preprogrammed phone numbers: $\boxed{=}$ > Tools > Dialing Services > Quick Dial	⊕Å"

other features **67**

feature	
DTMF tones	Activate DTMF tones:
	M > Settings > Initial Setup > DTMF
	Send DTMF tones during a call:
	Press number keys.
	Send stored numbers as DTMF tones during a call:
	Highlight a number in the phonebook or recent calls lists, then press M > Send Tones.

phonebook

feature	
add new entry	M > PhonebookM > New > Phone Number or Email Address
	Shortcut: Enter a phone number in the home screen, then press the STORE key to create an entry for that number.
	Tip: One phone isn't enough for some people. When creating a phonebook entry, select MORE to store another number for the same Name.

feature	
dial number	Call a number stored in the phonebook: M > Phonebook, highlight the phonebook entry, press N **Shortcut:** In the phonebook, press a keypad key to jump to entries that begin with the key's letters, or to search for the entry by name (see below).
search for entry	To set the phonebook search method: M > Phonebook M > Search Method > Find or Jump To To search for a phonebook entry, press the keypad key that contains the first letter of the entry. Jump To mode immediately jumps to entries that begin with the key's letters. Find mode prompts you to enter the name or speed number for the entry, depending on how the phonebook list is sorted.
record a voice name	When creating a phonebook entry, highlight Voice Name and press the RECORD key. Press and release the voice key and say the entry's name (within 2 seconds). When prompted, press and release the voice key and repeat the name. **Note:** The Voice Name option isn't available for entries stored on the SIM card.

other features **69**

feature	
voice dial number	Voice dial a number stored in the phonebook:
	Press and release the voice key, and say the entry's name (within 2 seconds).
set ringer ID for entry	Assign a distinctive ring alert (ringer ID) to an entry:
	`▤` > Phonebook > *entry* `▤` > Edit > Ringer ID > *ringer name*
	Note: The Ringer ID option isn't available for entries stored on the SIM card.
	To activate ringer IDs:
	`▤` > Settings > Ring Styles > *style* Detail > Ringer IDs
set picture ID for entry	Assign a photo or picture to display when you receive a call from an entry:
	`▤` > Phonebook > *entry* `▤` > Edit > Picture > *picture name*
	Note: The Picture option isn't available for entries stored on the SIM card.
set category for entry	`▤` > Phonebook > *entry* `▤` > Edit > Category > *category name*
	Note: The Category option isn't available for entries stored on the SIM card.

feature	
set category view	$\boxed{\Xi}$ > Phonebook $\boxed{\Xi}$ > Categories > *category view* You can display **All** entries, entries in a predefined category (**Business**, **Personal**, **General**, **VIPs**), or entries in a category you create.
set category ringer ID	Set a distinctive ring alert (ringer ID) to sound when you receive calls from entries in a specific category: Press $\boxed{\Xi}$ > Phonebook, press $\boxed{\Xi}$ > Categories, highlight the category, press $\boxed{\Xi}$ > Edit > Ringer ID **Note:** The **Category** option isn't available for entries stored on the SIM card. To activate ringer IDs: $\boxed{\Xi}$ > Settings > Ring Styles > *style* Detail > Ringer IDs
set category light ID	Set a distinctive light pattern to display when you receive calls from entries in a specific category: Press $\boxed{\Xi}$ > Phonebook, press $\boxed{\Xi}$ > Categories, highlight the category, press $\boxed{\Xi}$ > Edit > Light ID **Note:** The **Category** option isn't available for entries stored on the SIM card.

feature	
set primary number or address	Set the primary number for an entry with multiple numbers: M > Phonebook, highlight the entry, press M > Set Primary > *number* or *address* **Tip:** In Primary number view mode, you can still peek at other numbers stored for the same name. Highlight the name and press ·Ò· left or right to see the other numbers.
create group mailing list	M > Phonebook M > New > Mailing List
sort phonebook list	Set the order in which entries are listed: M > Phonebook M > Setup > Sort by > *sort order* You can sort the phonebook list by Name, Speed No., Voice Name, or Email. When sorting by name, you can display All numbers or just the Primary number for each name.
copy phonebook entry	Copy an entry from the phone to the SIM card, or from the SIM card to the phone: M > Phonebook, highlight the entry, press M > Copy > Entries > To

feature	
copy multiple entries	Copy multiple phonebook entries between the phone and SIM card: ⊡ > **Phonebook**, highlight one entry, press ⊡ > **Copy** > **Entries**, press the **CHANGE** key, highlight another entry, press the **ADD** key, repeat as necessary, press the **DONE** key, > **To**
send phonebook entry to another device	Use a Bluetooth® connection to send a phonebook entry to another phone, computer, or device: ⊡ > **Phonebook**, highlight the entry, press ⊡ > **Send** For more about Bluetooth connections, see page 29.
print phonebook entry	Use a Bluetooth® connection to send a phonebook entry from your phone to a printer. ⊡ > **Phonebook**, highlight the entry, press ⊡ > **Print**. You cannot print a **Mailing List**. For more about Bluetooth connections, see page 29.

messages

For basic multimedia message features, see page 22.

feature		
send text message	$\boxed{\equiv}$ > Messages > Create Message > New Short Msg	🄐
send multimedia message	$\boxed{\equiv}$ > Messages > Create Message > New Multimedia Msg	🄐
send letter	$\boxed{\equiv}$ > Messages > Create Message > New Letter	🄐
send email	$\boxed{\equiv}$ > Messages > Create Message > New Email	🄐
use a multimedia template	Open a multimedia template with preloaded media: $\boxed{\equiv}$ > Messages > MMS Templates	🄐
read new message	Read a new text message or multimedia message that you have received: Press the READ key when the New Message notification displays.	🄐
read new message or email	Read a new text message, multimedia message, or email that you have received: Press the READ key when the New Message notification displays.	🄐

feature		
read old messages	$\boxed{\Xi}$ > Messages > Message Inbox	$\overset{\oplus}{\underset{A}{\curvearrowright}}$
	Icons next to each message show if it is **unread** $\boxdot$, **read** $\boxdot$, **urgent** $\boxdot$, **locked** $\boxdot$, or has an **attachment** $\boxdot$. Press $\boxed{\Xi}$ to perform various operations on a message.	
read old email	$\boxed{\Xi}$ > Messages > Email Msgs	$\overset{\oplus}{\underset{A}{\curvearrowright}}$
	Press $\boxed{\Xi}$ to perform various operations on a message.	
store message objects	Go to a multimedia message page, or highlight an object in a letter, then:	$\overset{\oplus}{\underset{A}{\curvearrowright}}$
	$\boxed{\Xi}$ > Store	
browser messages	Read messages received by your micro-browser:	$\overset{\oplus}{\underset{A}{\curvearrowright}}$
	$\boxed{\Xi}$ > Messages > Browser Msgs	
info services	Read subscription-based information services messages:	$\overset{\oplus}{\underset{A}{\curvearrowright}}$
	$\boxed{\Xi}$ > Messages > Info Services	

email

Note: Make sure you have an email provider and the
following account information ISP settings, protocols,
user id, password, and send and receiving host information.
Otherwise, you might not get these features to work.

feature	
set up the email inbox	$\boxed{\equiv}$ > Messages $\boxed{\equiv}$ > Email Setup
composing an email	$\boxed{\equiv}$ > Messages > Create Messages > New Email
insert a media object in an email	In the message window, press $\boxed{\equiv}$ > Insert. Select the file type and the file.
sending an email	Press Send To key. Select who you want to send the message to either through a phonebook entry or [New Entry]. Enter a Subject for the email, and press the Send key. **Tip:** You can also add email recipients to the Cc and Bcc fields, and choose a message priority of Normal or Urgent.

feature	
view status of sent email	$\fbox{\equiv}$ > Message > Outbox
	Messages are sorted from newest to oldest. If you see a ✉ your message was successfully sent. If a ✗ is displayed, your message could not be sent. Try again, the email provider network could be busy.
receive email	If your phone is set up to automatically check for new messages, your phone will display the message waiting (✉) indicator when a new message arrives.
	Press the **READ** key to open the message.
delete email	Open the email:
	$\fbox{\equiv}$ > Delete
manually send and receive email	$\fbox{\equiv}$ > Messages > Email Message $\fbox{\equiv}$ > Send/Receive Mail
call a phone number in email	Highlight a phone number in a message and press P.
create personal folders	$\fbox{\equiv}$ > Messages > Email Message
	$\fbox{\equiv}$ > Folder > Create
move email to personal folder	After you are done reading the email:
	$\fbox{\equiv}$ > Move to > [Personal Folder]

other features   **77**

instant messaging

feature		
sign on	$\boxed{\Xi}$ > IM > Sign On	(A)
log in	$\boxed{\Xi}$ > IM > Log In	(A)
find others online	After you log in:	(A)
	Select Contact List to see a list of other users.	
start conversation	From your Contact List, highlight a name in Online Contacts, press the SEND IM key.	(A)
open active conversation	From your Contact List, highlight a name in Conversations, press the VIEW key.	(A)
end conversation	From the conversation display:	(A)
	$\boxed{\Xi}$ > End Conversation	
log out	Select Log Out from the IM Online menu.	(A)
create or change IM accounts	$\boxed{\Xi}$ > IM > IM Account	(A)
	Select an IM account, or select New to create a new IM account.	

chat

feature		
start chat	▣ > Tools > Chat▣ > New Chat	🄐
receive chat request	Press the ACCEPT key or the IGNORE key.	🄐
end chat	During a chat session: ▣ > End Chat	🄐

personalizing

feature	
language	Set menu language: ▣ > Settings > Initial Setup > Language
scroll	Set the highlight bar to stop or wrap around in menu lists: ▣ > Settings > Initial Setup > Scroll
ringer IDs	Activate ringer IDs assigned to phonebook entries and categories: ▣ > Settings > Ring Styles > *style* Detail > Ringer IDs
ring volume	▣ > Settings > Ring Styles > *style* Detail > Ring Volume
keypad volume	▣ > Settings > Ring Styles > *style* Detail > Key Volume

other features **79**

feature	
reminders	Set reminder alerts for messages that you receive: $\boxed{\underline{=}}$ > Settings > Ring Styles > *style* Detail > Reminders
clock view	Display an analog or digital clock in the home screen: $\boxed{\underline{=}}$ > Settings > Personalize > Home Screen > Setup without News > Clock **Note:** To use an analog clock, you must set your news display to Without News.
menu view	Display the main menu as graphic icons or as a text-based list: $\boxed{\underline{=}}$ > Settings > Personalize > Main Menu > View
main menu	Reorder your phone's main menu: $\boxed{\underline{=}}$ > Settings > Personalize > Main Menu > Reorder
show/hide menu icons	Show or hide menu feature icons in the home screen:
change menu icons & home keys	Change menu feature icons, soft key labels, and smart key function in the home screen:

feature	
shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold $\boxed{\Xi}$. Use a shortcut: Press $\boxed{\Xi}$, then press the shortcut number.
master reset	Reset all options **except** unlock code, security code, and lifetime timer: $\boxed{\Xi}$ > Settings > Initial Setup > Master Reset
master clear	Clear all settings and entries you made **except** SIM card information, downloaded pictures and sound files, and reset all options **except** unlock code, security code, and lifetime timer: $\boxed{\Xi}$ > Settings > Initial Setup > Master Clear **Caution:** Master clear **erases all information you have entered** (including phonebook and datebook entries) **and content you have downloaded** (including photos and sounds) stored in your phone's memory. After you erase the information, you can't recover it.

call times & costs

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, contact your service provider.

feature		
call times	Display call timers: 🔲 > Recent Calls > Call Times	🄰
in-call timer	Display time or cost information during a call: 🔲 > Settings > In-Call Setup > In-Call Timer	🄰
call cost	Display call cost trackers: 🔲 > Recent Calls > Call Cost	🄰
credit info (prepay option)	Display credit information: 🔲 > Settings > Phone Status > Credit Info	🄰
credit available (advice of charge option)	Display credit available: 🔲 > Settings > Phone Status > Credit Available	🄰
call cost setup	Set a credit limit: 🔲 > Settings > In-Call Setup > Call Cost Setup	🄰

feature		
data times	Display data call timers: $\boxed{\mathbb{E}}$ > Recent Calls > Data Times	🅐
data volumes	Display data volume meters: $\boxed{\mathbb{E}}$ > Recent Calls > Data Volumes	🅐

handsfree

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.

feature		
speakerphone	Activate a connected external speakerphone during a call: Press the **SPEAKER** key (if available), or $\boxed{\mathbb{E}}$ > Spkrphone On.	🅗
auto answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: $\boxed{\mathbb{E}}$ > Settings > Car Settings or Headset > Auto Answer	🅗
voice dial (headset)	Enable voice dial with headset send/end key: $\boxed{\mathbb{E}}$ > Settings > Headset > Voice Dial	🅗
auto handsfree (car kit)	Automatically route calls to a car kit when connected: $\boxed{\mathbb{E}}$ > Settings > Car Settings > Auto Handsfree	🅗

other features **83**

feature		
power-off delay (car kit)	Set the phone to stay on for a specified time after the ignition is switched off:	🔋
	$\boxed{\Xi}$ > Settings > Car Settings > Power-Off Delay	
charger time (car kit)	Charge the phone for a specified time after the ignition is switched off:	🔋
	$\boxed{\Xi}$ > Settings > Car Settings > Charger Time	

data & fax calls

feature		
send data or fax	Connect your phone to the device, then place the call through the device application.	🔋
receive data or fax	Connect your phone to the device, then answer the call through the device application.	🔋
talk then fax	Connect your phone to the device, enter fax number, press $\boxed{\Xi}$ > Talk then Fax, then press 🔘 to make the call.	🔋

network

feature	
network settings	Display network information and adjust network settings: $\quad\textcircled{\tiny{A}}$
	[≡] > Settings > Network

personal organizer

feature	
add new datebook event	[≡] > Tools > Datebook, highlight the day, press ·●·, press [≡] > New
view datebook event	Display or edit event details:
	[≡] > Tools > Datebook, highlight the day, press ·●·, press the **VIEW** key.
datebook event reminder	When an event reminder displays: To see reminder details, the **VIEW** key. To close the reminder, press the **EXIT** key.
send datebook event to another device	Use a Bluetooth® connection to send a datebook event to another phone, computer, or device:
	[≡] > Tools > Datebook, highlight the day, press ·●·, highlight the event, press [≡] > Send
	For more about Bluetooth connections, see page 29.

feature	
create voice record	Create a voice record:
	Press and hold the voice key, speak into the phone, release voice key.
	Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations.
play voice record	Play back a voice record:
	$\boxed{\Xi}$ > Tools > Voice Records > *voice record*
calculator	$\boxed{\Xi}$ > Tools > Calculator
currency converter	$\boxed{\Xi}$ > Tools > Calculator
	$\boxed{\Xi}$ > Exchange Rate
	Enter exchange rate, press the OK key, enter amount, and select $ at the bottom of the display.

security

feature	
SIM PIN	**Caution:** If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays SIM Blocked.
	Lock or unlock the SIM card:
	$\boxed{\Xi}$ > Settings > Security > SIM PIN
lock feature	$\boxed{\Xi}$ > Settings > Security > Lock Application

feature	
manage certificates	Enable or disable Internet access certificates stored on your phone: $\overset{\text{+}}{\underset{\text{A}}{\text{A}}}$
	$\boxed{\equiv}$ > Settings > Security > Certificate Mgmt
	Certificates are used to verify the identity and security of Web sites when you download files or share information.

fun & games

feature	
manage pictures	Manage photos, pictures, and animations: $\overset{\text{+}}{\underset{\text{A}}{\text{A}}}$
	$\boxed{\equiv}$ > Multimedia > Pictures
manage video clips	$\boxed{\equiv}$ > Multimedia > Videos
manage sounds	Manage ring tones and music that you have downloaded or composed:
	$\boxed{\equiv}$ > Multimedia > Sounds
edit sounds with motomixer	Edit MIDI-based sound files that you can use with your phone:
	$\boxed{\equiv}$ > Multimedia > MotoMixer
start micro-browser	$\boxed{\equiv}$ > Web Access > Browser $\overset{\text{+}}{\underset{\text{A}}{\text{A}}}$

other features   **87**

feature		
download objects from web page	Download a picture, sound, or phone theme from a Web page:	(📲)
	Highlight the file, press the **SELECT** key, press the **STORE** key.	
	Note: Normal airtime and/or carrier usage charges apply.	
web sessions	Select or create a Web session:	(📲)
	▤ > Web Access > Web Sessions	
play music	Play a song on your phone:	(📲)
	▤ > Multimedia > Sounds > *song name*	
create playlist	Create a playlist of songs to play on your phone:	(📲)
	▤ > Multimedia > Sounds > [New Playlist]	
create ring tones	Create ring tones that you can use with your phone:	
	▤ > Multimedia > Sounds > [New iMelody]	

troubleshooting

If you have questions or need assistance, we're here to help.

Go to www.motorola.com/consumer/support, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-331-6456 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

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 permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age 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 **1.01** W/kg, and when worn on the body, as described in this user guide, is **0.91** 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://www.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.

index

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DRAFT

U.S. patent Re. 34,976

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