

APPLICANT: MOTOROLA, INC.

FCC ID: IHDT56FG1

INSTRUCTION MANUAL

A preliminary draft copy of the Users Manual follows:



MOTOROLA

intelligence everywhere™



MOTOMANUAL

V235
GSM

HELLOMOTO

Introducing your new Motorola V235 GSM wireless phone. Here's a quick anatomy lesson.



Motorola, Inc.
Consumer Advocacy Office
1307 East Algonquin Road
Schaumburg, IL 60196
www.hellomoto.com

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

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Manual Number: 68XXXXX102-0

feature locator

main menu



Phonebook



Recent Calls

- Received Calls
- Dialed Calls
- Notepad
- Call Times *
- Data Times *
- Data Volumes *



Messages

- Create Message
- Message Inbox
- Outbox
- Drafts
- Info Services *
- Voicemail
- Quick Notes
- Drafts
- MMS Templates
- Browser Msgs
- Info Services



Tools

- Calculator
- Datebook
- Shortcuts
- Alarm Clock
- Dialing Services



Games & Apps



Web Access

- Browser
- Web Shortcuts
- Stored Pages
- History
- Go To URL
- Browser Setup
- Web Sessions



Multimedia

- Pictures
- Sounds
- Camera
- Video Camera
- Videos



Voice Records



Settings

- (see next page)

* optional features

This is the standard main menu layout. Your phone's menu may be a little different.

settings menu



Personalize

- Home Screen
- Main Menu
- Color Style
- Greeting
- Wallpaper
- Screen Saver
- Quick Dial



Ring Styles

- Style
- style Detail



Connection

- Sync



Call Forward *

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



In-Call Setup

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



Initial Setup

- Time and Date
- 1-Touch Dial
- Display Timeout
- Backlight
- Scroll
- Language
- Contrast
- DTMF
- Master Reset
- Master Clear



Phone Status

- My Tel. Numbers
- Active Line *
- Battery Meter
- Software Update
- Other Information



Headset

- Auto Answer
- Voice Dial



Car Settings

- Auto Answer
- Auto Handsfree
- Power-off Delay
- Charger Time



Network

- New Network
- Network Setup
- Available Networks
- My Network List *
- Service Tone *
- Network Jingle *
- Call Drop Tone



Security

- Phone Lock
- Lock Application
- Fixed Dial
- Restrict Calls *
- Call Barring *
- SIM PIN
- New Passwords
- Certificate Mgmt *



Java Settings

- Java System
- Delete All Apps
- App Vibration
- App Volume
- App Backlight

* optional features

contents

feature locator	3	customize	38
Safety Information	7	ring style	38
EU Conformance	14	time & date	39
Recycling Information	15	wallpaper	39
essentials	16	screen saver	39
about this guide	16	display appearance	40
SIM card	16	answer options	41
battery	17	calls	42
turn it on & off	19	turn off a call alert	42
make a call	20	recent calls	42
answer a call	20	redial	43
your phone number	20	return a call	44
main attractions	21	notepad	44
take & send a photo	21	hold or mute a call	44
record video	23	call waiting	45
cable connections	24	caller ID	45
basics	25	emergency calls	45
display	25	international calls	46
menus	28	1-touch dial	46
text entry	30	voicemail	47
volume	35		
navigation key	35		
external display	35		
handsfree speaker	36		
codes & passwords	36		
lock & unlock phone	37		

other features	48
advanced calling	48
phonebook	50
messages	54
personalizing	57
call times & costs	63
handsfree	64
data & fax calls	65
network	66
personal organizer	66
security	68
fun & games	69
troubleshooting	72
SAR Data	73
Warranty	75
index	81

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.
	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



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

CE 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

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  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.

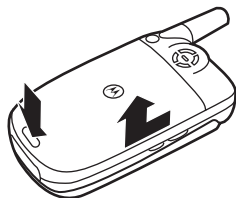
SIM card

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

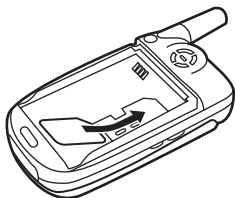
Caution: Don't bend or scratch your SIM card. Keep it away from static electricity, water, and dirt.

To install a SIM card:

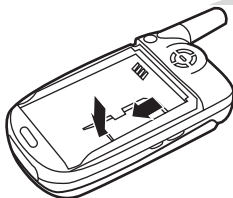
1



2



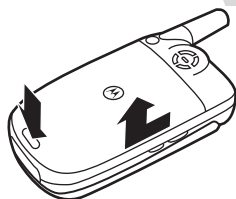
To remove a SIM card:



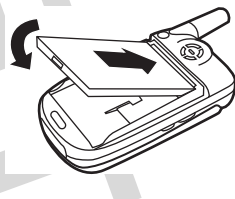
battery

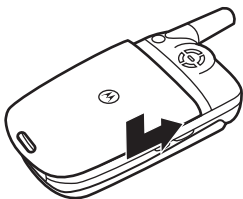
battery installation

1



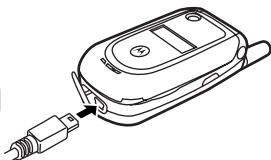
2





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.

If your battery is completely drained, a PC USB charger will not charge it. Use the travel charger.

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.



- 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 this guide.

turn it on & off

To turn on your phone, press and hold o 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.



Caution: 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 off your phone, press and hold  for 2 seconds.

make a call

Enter a phone number and press  to make a call.

To “hang up,” close the flip or press .

answer a call

Note: Your phone cannot receive data over an EDGE network while it is playing videos or some sound files. The EDGE status indicator appears at the top of your display when you can receive data over an EDGE network.

When your phone rings and/or vibrates, just open the flip or press  to answer.

To “hang up,” close the flip or 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 phone number on your SIM card, press the **EDIT** key while displaying it. If you don’t know your phone number, contact your service provider.

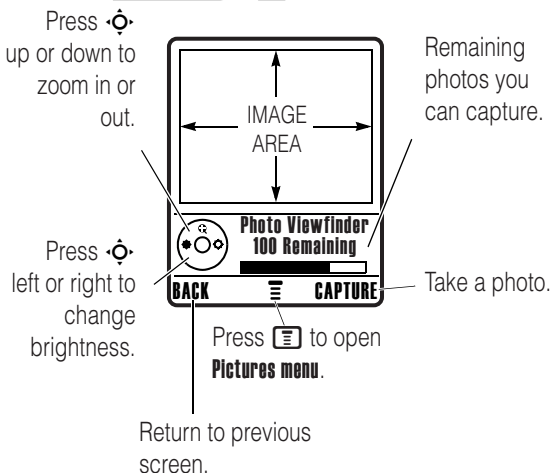


main attractions

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

take & send a photo

Press the camera key on the side of the phone to see the camera viewfinder:



- 1 Point the camera lens at the photo subject.

You can press to open the **Pictures Menu**. See the table after this procedure.

- 2 Press the **CAPTURE** key to take a photo.
- 3 Press the **DISCARD** key to delete the photo and return to the active viewfinder.

or

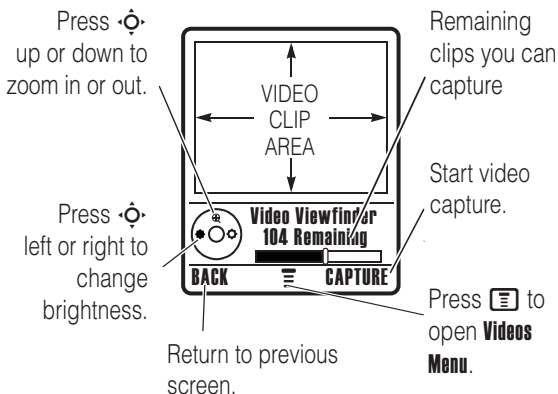
Press the **STORE** key to store the photo, send it in a message, or apply it as a screensaver or wallpaper.

When the viewfinder is active, press  to open the **Pictures Menu**:

option	
Go To Pictures	View stored pictures and photos.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Pictures Setup	Open the setup menu to adjust photo settings.
View Free Space	See how much memory remains.

record video

Press  > **Multimedia** > **Video Camera** to see the video viewfinder.



Note: You can zoom only before you start recording. The number of video clips remaining is an estimate.

Point the camera lens at the video subject, then:

- 1 Press the **CAPTURE** key to start the video.
- 2 Press the **STOP** key to stop the video.
- 3 Press the **STORE** key, then select **Store Only** to store the video.

or

Press the **STORE** key, then select **Send in Message** to send the video in a multimedia message.

or

Press the **DISCARD** key to delete the video and return to the active viewfinder.

If you want to send your video in an MMS message, the video length must be set to MMS. To set length, from the video viewfinder press  > **Videos Setup** > **Video Length**.

cable connections

 Your phone has a mini-USB port so you can connect it to a computer to transfer data. You can:

- Synchronize phonebook and datebook information between your phone and a computer or hand-held device.
- Use your phone as a modem to connect to the Internet.
- Use your phone to send and receive data calls from your computer or handheld device.



Note: Motorola Original USB data cables and supporting software are sold separately. Check your computer or hand-held device to determine the type of cable you need.



To **transfer data** between your phone and computer, you must install the software included with the Motorola Original data kit. See the data kit user's guide for more information. To make **data and fax calls** through a connected computer, see page 65.

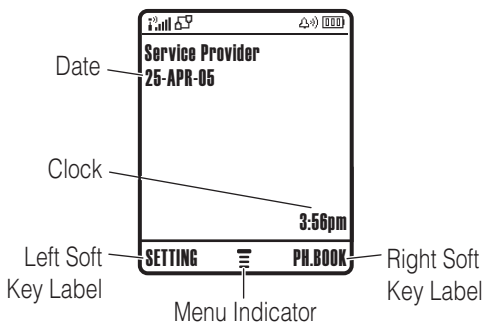
basics

See page 1 for a basic phone diagram.

display

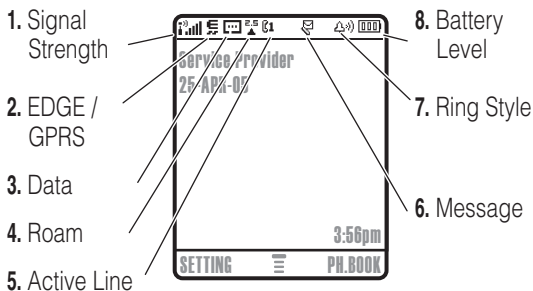
The *home screen* displays when you turn on the phone. To dial a number from the home screen, press number keys and then .

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



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.

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



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

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 Data Indicator – Indicators can include:

= secure packet data transfer = unsecure packet data transfer
 = secure application connection = unsecure application connection
 = secure *Circuit Switch Data* (CSD) call = unsecure CSD call

- 4 Roam Indicator** – Shows when your phone is seeking or using a network outside your home network. 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 1 active, call forward on

= line 2 active

= line 2 active, call forward on

- 6 Message Indicator** – Shows when you receive a new message. Indicators can include:



= text message

= voice message

- 7 Ring Style Indicator** – Shows the ring style setting.

= loud ring

= vibrate & ring

= soft ring

= vibrate then ring

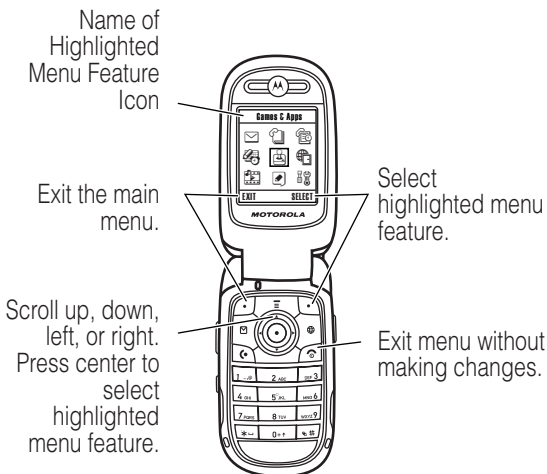
= vibrate

= silent

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

menus

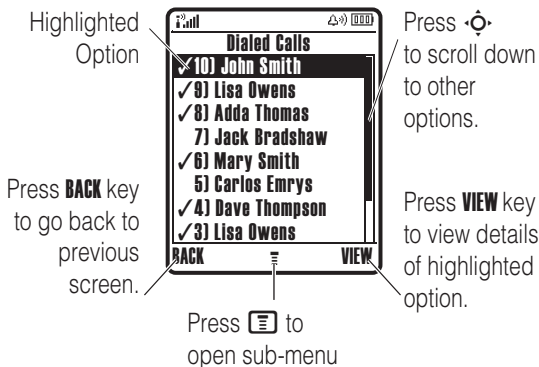
From the home screen, press  to enter the main menu.



The following menu icons may be available, depending on your service provider and service subscription options.

menu features	
 Messages	 Phonebook
 Recent Calls	 Tools
 Games & Apps	 Web Access
 Multimedia	 Voice Records
 Settings	

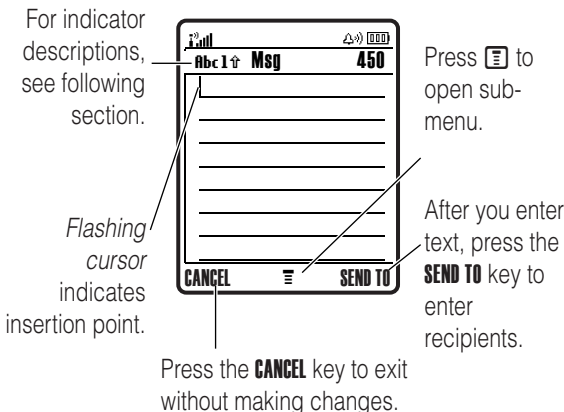
Some features require you to select an option from a list:



- 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.



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**.

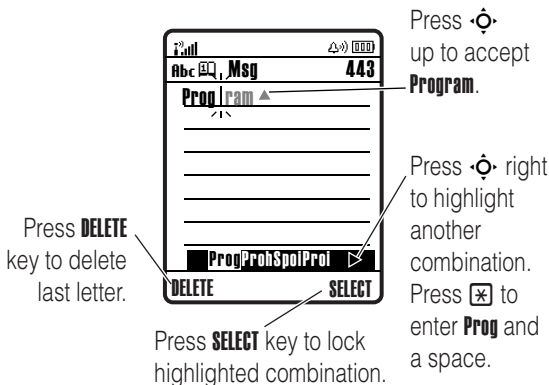
Tip: WANT TO SHOUT YOUR MESSAGE? Press  in a text entry screen to change text case to no capital letters (**abc**), next letter capital (**Abc** with , , **1↑**, or **2↑**), or all capitals (**ABC** with , , **1↑**, or **2↑**).

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:



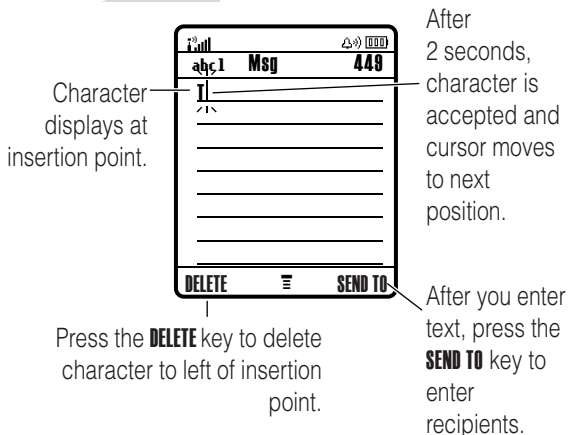
- If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining letters.
- To enter numbers quickly, press and hold a number key to temporarily switch to numeric mode. Press the number keys to enter the numbers you want. Enter a space to change back to iTAP mode.
- Press **1** to enter punctuation or other characters.

tap mode

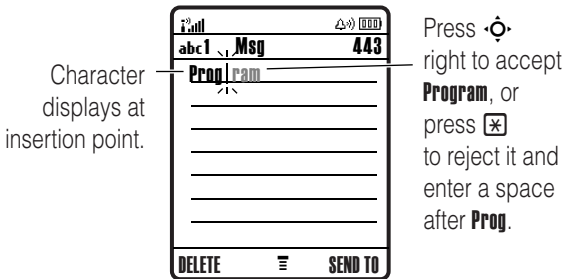
Press **#** in a text entry screen to switch to tap mode. If you don't see **Abc 1** or **Abc 2**, press **≡ > Entry Setup** to set tap mode as your primary or secondary text entry mode.

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:



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:



- The first character of every sentence is capitalized. If necessary, press [arrow down] down to change the character to lowercase before the cursor moves to the next position.
- Press [arrow down] to move the flashing cursor to enter or edit message text.
- If you don't want to save your text or text edits, press [exit] 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.

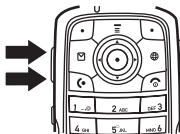
symbol mode

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 calls
- 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 holding the down volume key in the home screen.

navigation key

Press the navigation key **↑** up, down, left, or right to scroll and highlight items in the display. When you highlight something, press the center key **⬇** to select it. The center key usually does the same thing as the right soft key.



external display

When your phone is closed, the external display shows the time, date, status indicators, and notifications for incoming

calls and other events. For a list of phone status indicators, see page 26.

To set the phone ring style in the external display:

- 1 Press a volume key to display **Style: style name**.
- 2 Press the smart key repeatedly, until the style you want appears.
- 3 Press a volume key to return to the home screen.

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. 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 4-digit **unlock code** is originally set to **1234**. The 6-digit **security code** is originally set to **000000**. If your service provider didn't change these codes, you should change them:

Find it: Press  > **Settings** > **Security** > **New Passwords**

You can also change your **SIM PIN2** or call barring passwords.

If you forget your unlock code: At the **Enter Unlock Code** prompt, try entering 1234 or the last 4 digits of your phone number. If that doesn't work, press  and enter your 6-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 4-digit unlock code.

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

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

Note: You can make emergency calls on a locked phone (see page 45). A locked phone still rings or vibrates for incoming calls or messages, **but you need to unlock it to answer**.

battery meter

View a meter that shows your battery's charge level:

Find it: Press  > **Settings** > **Phone Status** > **Battery Meter**

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**

 **Vibrate**

 **Vibe Then Ring**

 **Soft**

 **Vibe & Ring**

 **Silent**

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

Find it: Press  > **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  > **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 **Line 1** or **Line 2**, 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.

To set the time and date: Press  > **Settings** > **Initial Setup** > **Time and Date** > *time* or *date*.

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 an image for your wallpaper, 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. The screen saver displays when the flip is open and 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  > **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.

display appearance

To choose a **color style** that sets the look of your phone's display:

Press  > **Settings** > **Personalize** > **Color Style**.

To adjust the **contrast** of your phone's display:

Press  > **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 open the flip or press any key. To set how long your phone waits before the backlight turns off:

Press  > **Settings** > **Initial Setup** > **Backlight**.

Note: To turn the backlight on or off for Java™ applications, press  > **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 you open the flip or press any key. To set how long your phone waits before the display turns off:

Press  > **Settings** > **Initial Setup** > **Display Timeout**.

answer options

You can use different ways to answer an incoming call. To turn on or turn off an answer option:

Find it: Press  > **Settings** > **In-Call Setup** > **Answer Options**

option	
Multi-Key	Answer by pressing any key.
Open To Answer	Answer by opening the flip.

calls

To make and answer calls, see page 20.

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  from the home screen to see the dialed calls list.

Find it: Press  > **Recent Calls**

- 1 Highlight **Received Calls** or **Dialed Calls**, then press the **SELECT** key.
- 2 Highlight a call. A  next to a call means the call connected.
 - To call the number, press .
 - To see call details (like time and date), press the **VIEW** key.
 - To see the **Last Calls Menu**, press . This menu can include:

option	
Store	Create a phonebook entry with the number in the No. field. Store does not appear if the number is already stored.
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. Note: This option displays only during a call.
Talk then Fax	Talk and then send a fax in the same call (see page 65). 

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 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

Your phone saves the last set of digits entered on the keypad 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

Press  > **HOLD** to put all active calls on hold.

Press **MUTE** key (if available) or  > **Mute** to put all active calls on 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 different ringer ID for an entry stored in your phonebook (see page 51).

To show or hide **your phone number** from the next person you call, enter the phone number and press  > **Hide 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  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.

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  > **Settings** > **Initial Setup** > **1 Touch Dial** > **Phone**, **SIM**, or **Fixed Dial**

To add a new phonebook entry, see page 50. To edit the **Speed No.** for a phonebook entry, press  > **Phonebook**, highlight the entry, and press  > **Edit**.

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  and **New Voicemail**. Press the **CALL** key to listen to the message.

To **check** voicemail messages:

Find it: Press  > **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.

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  . To add a phonebook entry, see page 50. Tip: If you forget Aunt Mildred's speed dial number, press  > Phonebook , highlight her entry, and press the VIEW key. 
set up quick dial	Set up preprogrammed phone numbers:  > Settings > Personalize > Quick Dial 

feature		
quick dial	Dial preprogrammed phone numbers:  > Tools > Dialing Services > Quick Dial	
call forwarding	Set up or cancel call forwarding:  > Settings > Call Forward	
call barring	Restrict outgoing or incoming calls:  > Settings > Security > Call Barring	
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.  > Settings > Phone Status > Active Line The active line indicator shows the active phone line (see page 27).	
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:  > Settings > Security > Fixed Dial Use the fixed dial list:  > Tools > Dialing Services > Fixed Dial	

feature	
DTMF tones	Activate DTMF tones:  > Settings > Initial Setup > DTMF To send DTMF tones during a call, just press number keys or highlight a number in the phonebook or recent calls lists and press  > Send Tones.

phonebook

feature	
add new entry	 > Phonebook  > 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.
dial number	Call a number stored in the phonebook:  > Phonebook, highlight the phonebook entry, press  Shortcut: In the phonebook, press a keypad key 1 or more times to jump to entries that begin with the key's letters.

feature	
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.
voice dial number	Voice dial a number stored in the phonebook: Press and release the voice key, then say the entry's name (within 2 seconds).
set ringer ID for entry	Assign a ring alert (ringer ID) to an entry:  > Phonebook > <i>entry</i>  > Edit > Ringer ID > <i>ringer name</i> Note: The Ringer ID option isn't available for entries stored on the SIM card. Activate ringer IDs:  > Settings > Ring Styles > <i>style Detail</i> > Ringer IDs

feature	
set picture ID for entry	Assign a photo or picture to display when you receive a call from an entry:  > Phonebook > <i>entry</i>  > Edit > Picture > <i>picture name</i> Note: The Picture option isn't available in entries stored on the SIM card.
set primary or all numbers view	Display primary numbers or all numbers for entries when listed:  > Phonebook  > Setup > View > All Contacts or Primary Contacts
set category for entry	 > Phonebook > <i>entry</i>  > Edit > Category > <i>category name</i> Note: The Category option isn't available in entries stored on the SIM card.
set category view	 > Phonebook  > Categories > <i>category view</i> You can display All entries, entries in a predefined category (Business, Personal, General, VIPs), or entries in a category you create.
define new category	 > Phonebook  > Categories  > New

feature	
set primary number or address	Set the primary number for an entry with multiple numbers:  > Phonebook, highlight the entry, press  > Set Primary > <i>number or address</i> Tip: In Primary number view mode, you can still peek at other numbers stored for the same name. Highlight the name and press  left or right to see the other numbers.
create group mailing list	 > Phonebook  > New > Mailing List
sort phonebook list	Set the order in which entries are listed:  > Phonebook  > Setup > Sort by > <i>sort order</i> 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:  > Phonebook, highlight the entry, press  > Copy > Entries > To
delete phonebook entry	 > Phonebook, highlight the entry, press  > Delete

feature	
check phonebook memory	Display space available for phonebook entries in phone or SIM memory:  > Phonebook  > Phone Capacity or SIM Capacity
send message to phonebook entry	Send a phonebook entry a text, multimedia, or voice message:  > Phonebook, highlight the entry, press  > Send Message
send phonebook entry over data connection	Send a phonebook entry to another phone, computer, or device:  > Phonebook, highlight the entry, press  > Share Phonebook Entry

messages

feature	
send text message	 > Messages > Create Message > New Short Message 
send multimedia message	 > Messages > Create Message > New Multimedia Msg 

feature		
send voice message	 > Messages > Create Message > New Voice Msg	
use a multimedia template	To record the voice message, press the RECORD key, speak, then press the STOP key. Your phone inserts the voice recording into a message and lets you enter email addresses or phone numbers to receive the message. Open a multimedia template with preloaded media:  > Messages > Create Message > MMS Templates	
read new message	When your phone displays New Message, press the READ key to read the message you received.	
read old messages	 > Messages > Message Inbox Icons next to each message indicate if it is locked , has an attachment , or is urgent . Press  to perform various operations on a message.	
store message objects	Go to a multimedia message page, or highlight an object in a letter, then:  > Store	

feature		
browser messages	Read messages received by your micro-browser:  > Messages > Browser Msgs	
info services	Read subscription-based information services messages:  > Messages > Info Services	
quick notes	Send or create a prewritten message:  > Messages > Quick Notes	
cleanup messages	 > Messages  > Cleanup Messages	
message setup	Specify settings for incoming and outgoing text and multimedia messages:  > Messages  > Message Setup	
fax message setup	Set notification on or off for received fax message:  > Messages  > Fax Msg Setup	
voicemail setup	Enter voicemail number, set notification on or off for received voicemail message:  > Messages  > Voicemail Setup	

feature	
info services setup	Specify settings for subscription-based information services messages:  > Messages   > Info Srvc Setup
outbox auto-cleanup	Set automatic removal of outbox messages:  > Messages   > Outbox Cleanup
check message memory	Display space available for stored messages:  > Messages  > Memory Meter

personalizing

speech commands

You can place calls and perform other tasks by speaking commands to your phone.

- 1 Press and release the voice button on the right side of the phone.

Your phone displays and speaks **Say a command**, followed by a list of speech commands.

- 2 Say 1 of the commands listed in the table below.

Your phone performs the corresponding action.

The following are speech commands and the actions they perform:

command	
Call	place a call (see page 20)
Send Picture <i>name</i>	send a Pix message to the Phonebook entry whose <i>name</i> you speak (See page 21 for instructions on sending a picture in a message.)
Send Text <i>name</i>	send a text message Phonebook entry whose <i>name</i> you speak
Lookup <i>name</i>	look up a Phonebook entry by speaking the entry's <i>name</i>
Go To <i>app</i>	use a speech shortcut to access the phone <i>app</i> (application) you specify: Voicemail, Camera, Redial, Received Calls
Check <i>item</i>	check the <i>item</i> you specify: • Status—network coverage, signal strength, and battery life • Signal—network signal strength • Network—network your phone is currently using • Battery—battery charge level • My Phone Number—view your phone number

Use the **Call** command to place a call in 2 different ways:

- Dial a **Phonebook** entry by speaking the name of the entry.
- Dial any number by speaking the digits in the number.

- 1** Press and release the voice button on the right side of the phone.

You phone displays **Say a command**, followed by a list of speech commands.

- 2** Say “Call,” then say the name of the **Phonebook** entry, or speak the digits of the phone number.

For example, to call the mobile number for a **Phonebook** entry named Bill Smith, you would say “Call Bill Smith mobile.” (If the entry included only 1 number for Bill Smith, you would simply state “Call Bill Smith.”)

Similarly, to call the phone number 312-555-1212, you would say “Call 312-555-1212.”

If the phone recognizes the name or number, it places the call.

If the phone asks you to repeat a name or number, say it again. If the name or number is not valid or is not recognized, the phone does not place the call.

If the phone does not recognize the name or number, it displays a list of up to 3 names or numbers, asks, “Did you say ...,” and highlights that first item in the list.

If the name or number is correct, say “Yes” to place the call.

If the name or number is not correct, say “No” to go to the next item on the list.

To select the name or number manually, scroll to the name or number on the list and press the **SELECT** key.

To exit the list, say “Cancel.”

If you reach the end of the list without confirming a number, the phone says, “Sorry, no match found.” To try to place the call again, press the **Repeat** key, say “Call,” and clearly speak the name or number.

Tip: Speak numbers at a normal speed and volume, pronouncing each digit distinctly. Avoid pausing between digits.

additional personalizing features

feature	
language	Set menu language:  > Settings > Initial Setup > Language
greeting	Enter a greeting to display when you turn on your phone:  > Settings > Personalize > Greeting
scroll	Set the highlight bar to stop or wrap around in menu lists:  > Settings > Initial Setup > Scroll

feature	
activate ringer IDs	Activate ringer IDs assigned to phonebook entries and categories:  > Settings > Ring Styles > <i>style</i> Detail > Ringer IDs
ring volume	 > Settings > Ring Styles > <i>style</i> Detail > Ring Volume
keypad volume	 > Settings > Ring Styles > <i>style</i> Detail > Key Volume
reminders	Set reminder alerts for messages that you receive:  > Settings > Ring Styles > <i>style</i> Detail > Reminders
home screen layout	 > Settings > Personalize > Home Screen > Layout > Centered or Left Justified
menu view	Display the main menu as graphic icons or as a text-based list:  > Settings > Personalize > Main Menu > View
main menu	Reorder your phone's main menu:  > Settings > Personalize > Main Menu > Reorder
show/hide menu icons	Show or hide menu feature icons in the home screen:  > Settings > Personalize > Home Screen > Home Keys > Icons

feature	
change home keys	Change the features for the soft keys and navigation key in the home screen:  > Settings > Personalize > Home Screen > Home Keys Note: In the Home Screen menu, select Setup with News or Setup without News if  your service provider has a news display.
shortcuts	Create a shortcut to a menu item: Highlight the menu item, press and hold , then press the YES key. Use a shortcut: Press , then press the shortcut number.
master reset	Reset all options except unlock code, security code, and lifetime timer:  > Settings > Initial Setup > Master Reset

feature

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:

 > 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	

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  > Spkrphone On).	
auto answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset:  > Settings > Car Settings or Headset > Auto Answer	
voice dial (headset)	Enable voice dial with headset send/end key:  > Settings > Headset > Voice Dial	

feature	
auto handsfree (car kit)	Automatically route calls to a car kit when connected:   > Settings > Car Settings > Auto Handsfree
power-off delay (car kit)	Set the phone to stay on for a specified time after the ignition is switched off:   > Settings > Car Settings > Power-Off Delay
charger time (car kit)	Charge the phone for a specified time after the ignition is switched off:   > Settings > Car Settings > Charger Time

data & fax calls

To connect your phone with a USB cable, see page 24.

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 and fax	Connect your phone to the device, enter fax number, press  > Talk and Fax , then press  to make the call. 

feature

using sync

You can call an Internet server and synchronize your phonebook and datebook entries with the server.



To **set up** an Internet sync partner, press  > **Settings** > **Connection** > **Sync** > **[New Entry]**. Enter the server details, including **Server URL** (you can omit **http://**) and **Data Path** (the folder below the URL where your data is stored).

To **synchronize files** with a partner you set up, select the partner from the list in  > **Settings** > **Connection** > **Sync**.

network

feature

network settings

Display network information and adjust network settings:



 > **Settings** > **Network**

personal organizer

feature

set alarm

 > **Tools** > **Alarm Clock**

feature	
turn off alarm	When an alarm displays: To turn off the alarm, press the DISABLE key or . To set an 8 minute delay, press the SNOOZE key.
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
event reminder	When an event reminder displays: To see reminder details, press the VIEW key. To close the reminder, press the EXIT key.
send datebook event to another device	Send a datebook event to another phone, computer, or device:  > Tools > Datebook, highlight the day, press , highlight the event, press  > Send

feature	
create voice record	Create a voice record (for example, to make a note to yourself): Press and hold the voice key, speak into the phone, release the voice key. Note: Recording phone calls is subject to varying state and federal laws regarding privacy and recording of conversations. Always obey the laws and regulations on the use of this feature.
play voice record	Play back a voice record:  > Voice Records > <i>voice record</i>
calculator	 > Tools > Calculator
currency converter	 > Tools > Calculator  > Exchange Rate Enter exchange rate, press the OK key, enter amount, and press  > Convert Currency.

security

feature	
SIM PIN	Lock or unlock the SIM card:  > Settings > Security > 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.

feature		
lock feature	 > Settings > Security > Lock Application	
manage certificates	Enable or disable Internet access certificates stored on your phone:  > 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

For basic information on the camera, see page 21.

feature		
manage pictures	Manage photos, pictures, and animations:  > Multimedia > Pictures	
manage video clips	 > Multimedia > Videos	
manage sounds	Manage ring tones and music that you have downloaded or composed:  > Multimedia > Sounds	
create ring tones	Create ring tones that you can use with your phone:  > Multimedia > Sounds > [New iMelody]	
start micro-browser	 > Web Access > Browser	

feature	
download objects from Web page	Download a picture, sound, or other object from a Web page:  Go to the page that links to the file, highlight the file, press the SELECT key, and 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
download game or application	Download a Java™ game or application with the micro-browser:   > Web Access > Browser, go to the page that links to the application, highlight the application, press the SELECT key, and press the DOWNLOAD key Note: Normal airtime and/or carrier usage charges apply.
start game or application	Start a Java™ game or application:   > Games & Apps, highlight the game or application, press the SELECT key Note: To install and run games stored on your memory card, press  > Games & Apps > [Install New].

feature	
set game or application effects	Set volume, turn on vibration effect for Java™ games or applications  > Settings > Java Settings > App Vibration or App Volume
delete all games and applications	 > Settings > Java Settings > Delete All Apps

Specific Absorption Rate Data

The 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 1.28 W/kg , and when worn on the body, as

described in this user guide, is 0.67 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.

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).

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

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

Products and Accessories

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

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

Exclusions

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

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

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

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

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

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.

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DRAFT

index

A

accessories 16, 64
accessory connector port 1
active line indicator 27
active line, changing 49
alarm clock 66, 67
alert
 set 35, 38
 turn off 35, 42
animation 69
answer a call 20, 41
attach a number 43, 48

B

backlight 40
battery 17, 18
battery indicator 27
battery life, extending 18,
 39, 40
browser messages 56
browser. See micro-browser

C

cables 24
calculator 68
call
 answer 20, 41

 end 20

 make 20, 50

call barring 36, 49
call forward indicator 27
call forwarding 49
call timers 64
call waiting 45
caller ID 43, 45, 52
camera 21
car kit 64
center key 1, 35
certificate management 69
clock 39
codes 36, 37
color style 40
conference call 48
contrast 40
costs, tracking 64

D

data call 65
data connection 54
data indicator 26
date, setting 39
datebook 67
dial a phone number 20, 49,
 50

dialed calls 42
display 25, 40
download media objects
55, 70
DTMF tones 43, 50

E

earpiece volume 35
EDGE indicator 26
email 55
email address 50
emergency number 45
end a call 20
end key 1, 20
Enter Unlock Code
message 37
external display 35

F

fax call 43, 65
fixed dial 49
flip 20, 41
forward calls 49

G

games 70
GPRS indicator 26
greeting 60
group mailing list 53

H

handsfree speaker 36
headset 64
headset jack 1
hold a call 44
home screen 25, 61, 62

I

in-call indicator 27
Incoming Call message 45
information services 56
setup 57
international access code
46
iTAP text entry mode 31

J

Java applications 70

K

keypad 41, 61

L

language 60
layout 61
lock
application 69
phone 37
SIM card 68
Low Battery message 27

M

make a call 20, 50
master clear 63
master reset 62
menu 28, 60, 61
menu icons 28, 61
menu indicator 25
menu key 1, 16
message 54, 55
 cleanup 56
 setup 56
message indicator 27
message reminders 61
micro-browser 56, 69, 70
Missed Calls message 44
multimedia message 54, 55
music 69
mute a call 44

N

navigation key 1, 16, 35
network settings 66
notepad 44
number. See phone number
numeric entry mode 34

O

1-touch dial 46
open to answer 41
optional accessory 16

optional feature 16

P

passwords. See codes
personalize 57
phone number 20, 49, 50
phonebook 43, 46, 48, 50
photo 21, 69
picture 69
picture ID 45, 52
PIN code 19, 36, 68
PIN2 code 36
power key 1, 19, 20

Q

quick dial 49
 setup 48
quick notes 56

R

received calls 42
recent calls 42
redial 43
reminders 61
return a call 44
ring style indicator 27
ring style, setting 35, 38
ring tone 69
ringer ID 45, 51, 61
ringer volume 35, 61
roam indicator 27

S

screen saver 39
security code 36
send key 1, 20
shortcuts 62
signal strength indicator 26
SIM Blocked message 20, 68
SIM card 16, 19, 36, 68
smart key 36
soft keys 1, 25, 62
speakerphone 64
speed dial 48
store your number 20
symbol entry mode 35
synchronizing 66

T

tap text entry mode 32
telephone number. See
 phone number
text entry 30
text message 54, 55
time, setting 39
timers 64
transfer a call 48
turn on/off 19

U

unlock
 application 69
 phone 19, 37
 SIM card 68
unlock code 36, 37
USB cables 24

V

video clip 69
videos 23
voice dial 51, 64
voice message 55
voice name, recording 51
voice record 68
voicemail 47
 setup 56
voicemail message indicator
 27, 47
volume 35, 61

W

wallpaper 39
warranty 75
Web pages 69
Web sessions 70

Y

your phone number 20
U.S. patent Re. 34,976

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