

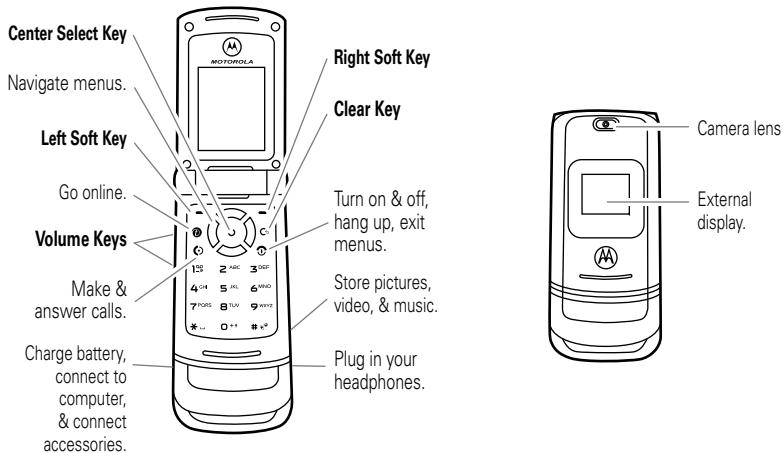


MOTO**ACTV**TM W450

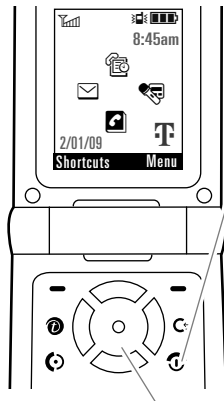
User's Guide

HELLOMOTO

We are pleased that you have chosen the MOTOACTV™ W450 wireless phone. Here's a quick anatomy lesson:



Home Screen

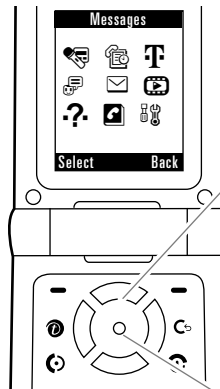


- ① Press & hold the *power key*  until the display lights up, to turn on your phone.

- ② Press the *center key*  to open the **Menu**.

Note: Your home screen may look a little different.

Main Menu



- ③ Press the *navigation key*  up/down/left/right to scroll to a menu feature.

- ④ Press the *center key*  to select it.

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

Note: Do not ship your phone to the above address. If you need to return your phone for repairs, replacement, or warranty service, please contact the Motorola Customer Support Center at:

1-800-331-6456 (United States)

1-888-390-6456 (TTY/TDD United States for hearing impaired)

1-800-461-4575 (Canada)

Certain mobile phone features are dependent on the capabilities and settings of your service provider's network. Additionally, certain features may not be activated by your service provider, and/or the provider's network settings may limit the feature's functionality. Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in this user's guide are based upon the latest available information and are believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

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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: 68000201313-B

menu map



Voice Notes



Call Log



t-zones

- My Album
- My Journal
- Icons
- Games
- HiFi Ringer
- Wallpapers



IM *



Messages

- Create Message
- Inbox
- Voicemail
- Drafts
- Outbox
- Browser Msgs
- Templates



Fun & Apps

- Organizer
- Games & Apps
- Camera
- Pictures
- Sounds
- Videos
- Video Camera



Help



Phonebook



Settings

(see next page)

Note: Certain features may not be available in certain areas.

* optional features

settings menu



Ring & Volume

- Ring Style
- Ringtone
- Ring Volume
- Keypad Volume
- Message Tone
- Voicemail Tone
- Other Event Sounds



Display Settings

- Home Screen
- Wallpaper
- Skin
- Screen Saver
- Main Menu Layout
- Other



Bluetooth



Phone Settings

- Time and Date
- My Phone Number
- Airplane Mode
- Language
- USB Connection Type
- Delete Phone Data
- Restore All Settings
- Hyphenation
- Wrap Around Navigation



Call Settings

- Call Forward
- In Call Setup
- Headset
- Restrict Calls
- Auto Redial
- Fixed Dial
- Call Barring
- DTMF
- TTY
- Speed Dial



Network Settings

- Available Networks
- New Network
- Network Setup
- Service Tone
- Call Drop Tone



Security Details

- SIM PIN
- Phone Lock
- Application Lock
- Change Passwords



Java Settings

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



Device Info

- Battery Meter
- Credit Info
- Storage Devices
- Download Location
- Software Version

Note: Certain features may not be available in certain areas.

* optional features

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Use and Care

To care for your Motorola phone, please keep it away from:



liquids of any kind

Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture. If it does get wet, don't try to accelerate drying with the use of an oven or dryer, as this may damage the phone.



extreme heat or cold

Avoid temperatures below 0°C/32°F or above 45°C/113°F.



microwaves

Don't try to dry your phone in a microwave oven.



dust and dirt

Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.



cleaning solutions

To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.



the ground

Don't drop your phone.

essentials

about this guide

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

Find it :  >  **Fun & Apps** > **Camera**

This means that, from the home screen:

- 1 Press the center key  to open the menu.

Note: If you're using the Home Screen Style called Icon Bar, press **Menu** to open the menu.

- 2 Press  to scroll to **Fun & Apps**, and press the center key  to select it.

- 3 Press  to scroll to **Camera**, and press **Select** or the center key  to select it.

symbols	
	This means a feature depends on the network or subscription and may not be available in all areas. Contact your service provider for more information.
	This means a feature requires an optional accessory.

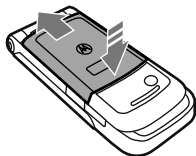


SIM card

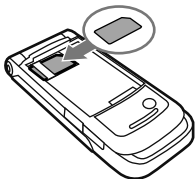
Your *Subscriber Identity Module* (SIM) card contains personal information like your phone number and phonebook entries.

Caution: Do not bend or scratch your SIM card. Keep it away from static electricity, water, and dirt.

1



2



battery

battery use & safety

IMPORTANT: HANDLE AND STORE BATTERIES PROPERLY TO AVOID INJURY OR DAMAGE.

Most battery issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- **Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.**
- **Don't let the phone or battery come in contact with water.** Water can get into the phone's circuits, leading to corrosion. If the phone and/or battery get wet, have them checked by your carrier or contact Motorola even if they appear to be working properly.

- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your battery near a heat source.** Excessive heat can damage the phone or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
 - Do **not** dry a wet or damp battery with an appliance or heat source, such as a hair dryer or microwave oven.
 - Avoid leaving your phone in your car in high temperatures.

DOs

- **Do avoid dropping the battery or phone.** Dropping these items, especially on a hard surface, can potentially cause damage.

- **Do contact your service provider or Motorola if your phone or battery has been damaged from dropping or high temperatures.**

IMPORTANT: USE MOTOROLA ORIGINAL PRODUCTS FOR QUALITY ASSURANCE AND SAFEGUARDS.

To aid consumers in identifying authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. Consumers should confirm that any battery they purchase has a "Motorola Original" hologram.

Motorola recommends you always use Motorola-branded batteries and chargers. Motorola mobile devices are designed to work with Motorola batteries. If you see a message on your display such as **Invalid Battery** or **Unable to Charge**, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;

- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and retry charging it;
- If the message remains, contact a Motorola Authorized Service Center.

Important: Motorola's warranty does not cover damage to the phone caused by non-Motorola batteries and/or chargers.

Warning: Use of a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard.

PROPER AND SAFE BATTERY DISPOSAL AND RECYCLING

Proper battery disposal is not only important for safety, it benefits the environment. Consumers may recycle their used batteries in many retail or service provider locations. Additional information on proper disposal and recycling may be found on the Web:

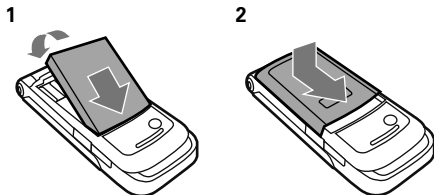
- www.motorola.com/recycling
- www.rbrc.org/call2recycle/ (in English only)

Disposal: Promptly dispose of used batteries in accordance with local regulations. Contact your local recycling center or national recycling organizations for more information on how to dispose of batteries.



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

battery installation



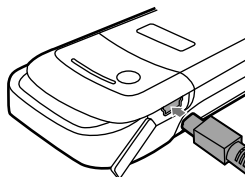
Note: If you remove the battery for a long time, the phone prompts you to reset the time and date. If you choose to cancel or ignore, the time and date will be affected. You can input the correct time and date by:

Find it:  >  **Settings** > **Phone Settings** > **Time and Date**

But, if you remove the battery for a few seconds, the system either won't ask you to reset the time and date or you can choose **BACK** on the time and date screen, and the clock may only be slightly affected.

battery charging

Plug the charger into your phone and an electrical outlet. Your phone displays **Charge Complete** when finished.



You can also charge your battery by connecting a cable from your phone's mini-USB port to a USB port on a computer. Both your phone and the computer must be turned on, and your computer must have the correct software drivers installed. Cables and software drivers are available in Motorola Original data kits, sold separately.



Notes for charging your phone's battery:

- When charging your battery, keep it near room temperature. Never expose batteries to temperatures below 0°C (32°F) or above 45°C (113°F) when charging.

- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

memory card

You can use a removable microSD memory card with your phone to store and retrieve multimedia objects (such as photos and sounds). You can store photos, video clips, or sound files on your phone or memory card.



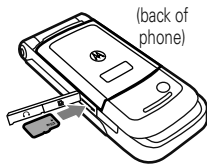
Your phone supports up to 2 GB SD memory cards.

Note: If you download a copyrighted file and store it on your memory card, you can use the file only while your memory card is inserted in your phone. You cannot send, copy, or change copyrighted files.

install or remove a memory card

Note: Turn off your phone before inserting or removing a memory card.

- 1 Open the rubber cover.
- 2 If you install the memory card with the back of the phone facing up, the metal contacts on the memory card face down. Slide the memory card into the slot until it clicks.



Note: To remove the memory card, push it in and release. The memory card slides a little way out of the slot. Pull the memory card out of the slot.

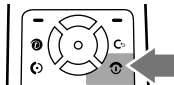
more memory card features



features	
locate files on your phone or memory card	When you view a list of files (such as pictures), an icon beside each item indicates where the item is stored: phone (📱) or memory card (💾)
memory card information	To see name, available space, and other information about an inserted memory card: 🔍 > ⚙️ Settings > Device Info > Storage Devices > Memory Card > Details
copy or move files from phone to memory card	From a list of files (such as pictures), select the file(s), press Options > Manage , select Copy or Move , then select Memory Card .

turn it on & off

To turn on your phone, press and hold  for two seconds. If prompted, enter your SIM card PIN code and/or unlock code.



Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your phone displays **SIM Blocked**. Contact your service provider.

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

make a call

Enter a phone number and press  to make a call.

To end the call, close the flip or press .

answer a call

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

To end the call, close the flip or press .

store a phone number

You can store a phone number in your **Phonebook**:

- 1 Enter a phone number in the home screen.
- 2 Press **Store**.
- 3 Enter a name and other details for the phone number. To select a highlighted item, press .
- 4 Press **Done** when finished.

To edit or delete a **Phonebook** entry, see page 60.

call a stored phone number

Find it:  >  **Phonebook**

- 1 Scroll to the entry you want to call.
- 2 Press .

your phone number

Find it:  >  **Settings** >  **Phone Settings**
> **My Phone Number**

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

You can edit the name and phone number stored on your SIM card. From the home screen, press  then . Select an entry, press **View**, then press **Options**, and select **Edit**. If you don't know your phone number, contact your service provider.

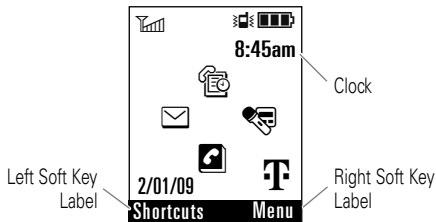


basics

See page 1 for a basic phone diagram.

display

The *home screen* displays when you turn on the phone.



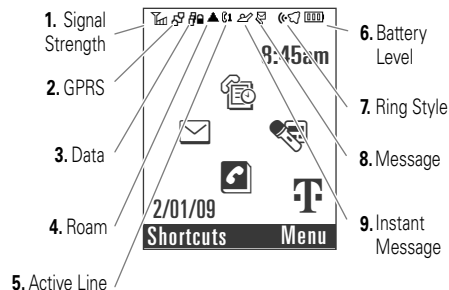
Note: Your home screen may look different.

To dial a number from the home screen, press the number keys and .

Press  up, down, left, or right in the home screen to open basic menu features.

Press  to open the menu. *Soft key labels* show the current soft key functions. For soft key locations, see page 1.

Status indicators 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 (no power) or (airplane mode) shows.

2 GPRS Indicator – Displays when your phone is using a *General Packet Radio Service* (GPRS) network connection.



3 Data Indicator – Shows connection status.



= packet data transfer

= Bluetooth® connection is on/active

= secure lock (for WAP browser)

= secure unlock (for WAP browser)

4 Roam Indicator – Shows roaming status:



= roaming

= roaming 3G home

= roaming 3G roam

= roaming 2.5G home

= roaming 2.5G roam

= roaming 2G home

= roaming 2G roam

5 Active Line Indicator – Indicators can include:

 = active call

 = call forward on

 = active call

 = line active, call forward on

 = voice privacy

 = alarm clock

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

7 Ring Style Indicator – Displays the ring style setting:

 = ring

 = ring & vibrate

 = vibrate

 = silent

 = ring then vibrate

8 Message Indicator – Displays when you receive a new message. Indicators can include:

 = unread text message

 = voice message

 = instant message

 = text message inbox full

 = voicemail inbox full

 = unread MMS message

 = active chat

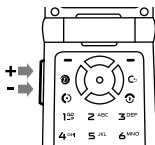
9 Instant Messaging Indicator – Indicates instant messaging activity. Indicators differ according to which instant messaging application you use.



volume

Press the volume keys to:

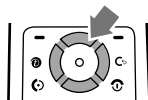
- Turn off an incoming call alert.
- Change the earpiece volume during calls.
- Change the ringer volume from the home screen.



Tip: Sometimes silence really is golden. To quickly set your ringer to **Vibrate** or **Silent**, press and hold the down volume key while in the home screen. You can also switch to **Vibrate** by pressing and holding **#** while in the home screen. For more information about setting ring styles, see page 24.

navigation key

Press the *navigation key* (up, down, left, or right) to scroll to items in the display. When you scroll to an item, press the *center key* to select it.



external display

When your phone is closed, the external display shows the time, status indicators, and notifications for incoming calls and other events. For a list of phone status indicators, see page 18.

handsfree speaker

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

While placing a call, press **Speaker** before the call connects to turn on the handsfree speaker. **During a call**, press **Options > Speaker On** to turn the handsfree speaker on. Your display shows **Speaker On** until you do either of the following:

- Turn it off by pressing **Options > Speaker Off**.
- End the call.

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

more handsfree options

Note: The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving. Additionally, 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.

features		
auto answer (headset)	Automatically answer calls when connected to a headset:	
	 >  Settings > Call Settings > Headset > Auto Answer	
ringer options (headset)	Set ringer for incoming calls to play through phone's speaker or through the headset only:	
	 >  Settings > Call Settings > Headset > Ringer Options	

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:  >  **Settings** > **Security Details**
> **Change Passwords**

- 1 Scroll to **Unlock Code** and press .
- 2 Enter the current unlock code and press **OK**.
- 3 Enter the new unlock code and press **OK**. When prompted, reenter the new code and press **OK**.

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.

Caution: 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.

Note: The unlock code is set at the factory to **1234** or to the last four digits of your phone number. The six-digit security code is set to **000000**.

To **manually lock** your phone:

Find it:  >  **Settings** > **Security Details** > **Phone Lock**
> **Lock Now**

To **automatically lock** your phone whenever you turn it off:

Find it:  >  Settings > Security Details > Phone Lock
> Automatic Lock

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

more security

features	
SIM PIN	Lock or unlock the SIM card:  >  Settings > Security Details > SIM PIN Caution: If you enter an incorrect PIN code three times in a row, your SIM card is disabled and your display shows SIM Blocked.
lock a feature	 >  Settings > Security Details > Application Lock

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:

- | | |
|---|--|
|  = ring |  = ring & vibrate |
|  = vibrate |  = silent |
|  = ring then vibrate | |

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

Find it:  >  Settings > Ring & Volume > Ring Style
> *style name*

Shortcut: In the **home screen**, press the volume keys up or down to quickly change your ring style profile. With your **phone closed**, press a volume key to see your ring style profile.

change alerts in a ring style

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

Find it:  >  Settings > Ring & Volume

- 1 Scroll to an alert or event that you want to set a sound for and press .
- 2 Scroll to the sound or setting you want and press .
- 3 Then press **OK**.

time & date

auto-update

To **synchronize** the time zone, time, and date with the network:



Find it:  >  Settings > Phone Settings > Time and Date
> Auto Update

set manually

Note: Before you can manually update your phone's time and date, you must set **Autoupdate** to **Off**. Also note that your phone does not automatically update to match changes in daylight savings time. You must manually change the time.

Find it:  >  Settings > Phone Settings > Time and Date

Select and set **Time**, **Time Zone**, and/or **Date**.

clock format

To choose an **analogue or digital** clock for your home screen:

Find it:  >  Settings > Display Settings > Home Screen
> Clock Design

wallpaper

Set a picture as a wallpaper (background) image in your home screen:

Find it:  >  Settings > Display Settings > Wallpaper

screen saver

Set a photo, picture, or animation as a screen saver. The screen saver shows when the flip is open and no activity is detected for a specified time.

Find it:  >  **Settings** > **Display Settings** > **Screen Saver**

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

skins

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



Find it:  >  **Settings** > **Display Settings** > **Skin** > *skin*

To **download** a skin, see page 38.

You can delete a downloaded skin. Press  >  **Settings** > **Display Settings** > **Skin** > *skin*. Press **Options** and select **Delete**.

answer options

You can choose how to answer an incoming call.

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

options	
Multi-Key	Answer by pressing any key.
Open to Answer	Answer by opening the flip.

more personalizing

features	
language	Set the menu language:  >  Settings > Phone Settings > Language
scroll	Set the scroll bar to Up/Down or Wrap Around in menu lists:  >  Settings > Phone Settings > Wrap Around Navigation
ring volume	 >  Settings > Ring & Volume > Ring Volume
keypad volume	 >  Settings > Ring & Volume > Keypad Volume

features	
reminders	Set an alert tone for messages that you receive:  >  Settings > Ring & Volume > Message Tone
menu view	Show the main menu as graphic icons or as a text-based list:  >  Settings > Display Settings > Main Menu Layout > Style
main menu	Reorder your phone's main menu:  >  Settings > Display Settings > Main Menu Layout > Reorder

features	
show/hide menu icons	Show or hide menu feature icons in the home screen:  >  Settings > Display Settings > Home Screen > Icons
change home keys	Change features for the soft keys, navigation key, and smart key in the home screen:  >  Settings > Display Settings > Home Screen > Up, Down, Left or Right
restore all settings	Reset all options except unlock code, security code, and lifetime timer:  >  Settings > Phone Settings > Restore All Settings

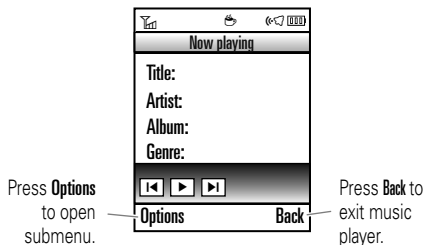
features	
delete phone data	Caution: This option erases all information you have entered (including phonebook and datebook entries) and content you have downloaded (including photos and sounds) stored in your phone's memory. <i>After you erase the information, you can't recover it.</i>  >  Settings > Phone Settings > Delete Phone Data

entertainment

music player

Your phone can play song files.

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Music Player**



Tip: You can also get to the music player by pressing

◀ > 📺 Fun & Apps > Games & Apps > Music Player

To download songs to your phone, press ⓘ. Your phone opens a browser (see page 39).

To copy music files from a computer to your phone, see page 72.

Note: Your phone may not play MP3 files that have a bit rate higher than 128 kbps. If you try to download or play one of these files, your phone may display an error message or ask you to delete the file.

Tip: You can listen to music wherever you are. Connect a headset for high quality music playback and use airplane mode to make your phone safe to use even while you're on a plane (see page 59).

music player controls

function	
scroll up/down through song list	Before music playback , press  up or down . After music starts playing , press Back and then  up or down .
play/pause	Press  .
skip to next song	Press  right .
return to last song	Press  left .
turn off	Press Back > Back > Exit .

playlists

You can collect your favorite songs into playlists.

To create or edit a playlist:

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Music Player** and then press **Playlists**

- **To create** a new playlist, scroll to **[New Playlist]** and press .
- **To edit** an existing playlist, scroll to the playlist and press .

To play a playlist:

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Music Player** > **Playlists** > *playlist*

music player options

From the music player screen, press **Options** to view the following:

option	
Now playing	Return to the music player song information screen.
Pause playback	Stop the player. Select Resume playback to continue playing.

option	
Properties	View file name and location (phone memory or memory card). Note: The memory card is an optional accessory .
Repeat	Repeat selected song or all songs in current playlist.
Shuffle	Play songs on current list or playlist in random order.

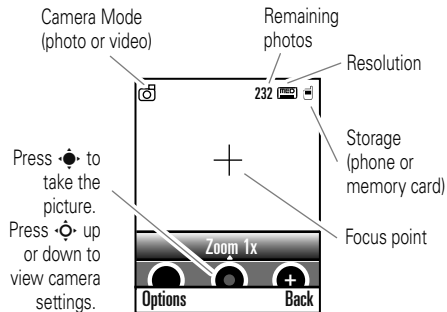
take & send photos

take a photo

Find it: Shortcuts (from the home screen, press the left soft key) > **Take Picture**

Tip: You can also press  >  **Fun & Apps** > **Camera** to open the camera,

Note: Adjusting the exposure affects the brightness of both the viewfinder display and the captured photo.



Note: The number of remaining photos is an estimate.

Before you take the photo, you can press **Options** to open the camera menu:

options	
Go To Pictures	See stored pictures.
Go to Video Camera	Switch to video camera mode.
Auto-Timed Capture	Set a timer for the camera to take a photo.
Camera Setup	Adjust photo settings.
Switch Storage Device	Choose to store pictures on your phone or memory card. 

options

Free Space

View space remaining on the device selected in **Switch Storage Device** above.

Note: Your service provider may store some content in the phone memory before you receive it.

- 1 To take a photo, aim the viewfinder and press



Tip: Your camera lens is on the back of your phone when your phone is open.

- 2 Press **Options** to:

- **Save** the photo
- **Discard** the photo and return to the viewfinder
- **Apply As a Wallpaper, Screen Saver, or Contact**

- **Send** the photo in a message.



send a stored photo in a message

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Create Message** > **Options** > **Insert**
> **Picture**



Tip: You can also press  >  **Messages** > **Create Message**

- 1 Press  left or right to scroll to the photo you want and press **Insert**.
- 2 Enter the message text and press **Send To**.
- 3 Scroll to a recipient address and press .

or

Press **Options**, then select **Enter Number** or **Enter Email** and enter the recipient's phone number or email address.

- 4 Press **Send**.

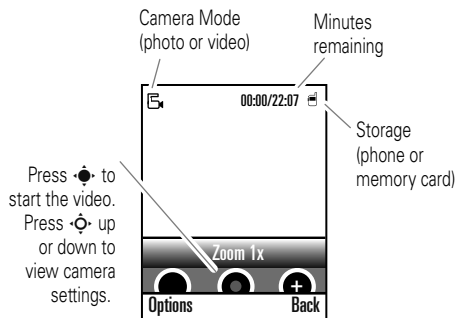
Note: Your phone may indicate the message has **Changed to MMS**. Some phones or networks do not support picture messages. Press **Yes** to send the message.

To view, edit, or delete photos your photos, see page 37.

record & send a video

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Take Video**

Tip: You can also press  >  **Fun & Apps**
> **Video Camera**



Note: The number of minutes remaining is an estimate and depends on your video settings, such as **Video Length** and **Video Quality**.

Before you record the video clip, you can press **Options** to open the video camera menu:

options	
Go To Videos	See stored video clips.
Go To Camera	Switch to camera mode.
Video Camera Setup	Adjust video camera settings: Video Length, Video Quality, Video Resolution, Recording Sound, and Status Icons.
Switch Storage Device	Choose to store video clips on your phone or memory card. 

options	
Free Space	View space remaining on the device selected in Switch Storage Device above. Note: Your service provider may store some content in the phone memory before you receive it.

If you want to send your video in a message, the video length must be set to **MMS Short Clip**. To set the length, press **Options > Video Camera Setup > Video Length**.

- 1 Press  to start recording the video.
- 2 Press **Stop** to stop recording the video.
- 3 Press **Options** to:
 - **Save** the video clip.

- **Discard** the video clip and return to the viewfinder.
- **Preview** the video clip.
- **Send** the video clip in a message. If you select **Send**, enter text and press **Send To**, select **In Message**, then scroll to a recipient address and press  to select it. Press **Options** to enter a new number. To send the message, press **Send**. 

Note: Some phones or networks do not support messages with videos.

To view, edit, or delete videos you've recorded, see page 37.

make a voice note

To create a voice note to send in a message:

Find it:  >  Voice Notes

Press  and speak into the microphone to begin recording. Press **Stop** to end recording. Saved voice recordings are stored in your **Sounds** folder.

Press **Options** to view these options:

options	
Review	Listen to your voice note.
Re-Record	Record the voice note again.
Sending Options	Select options for sending the message, such as recipient, subject, priority, and so on.
Message Details	View more information about the message, such as size.

options

Save to Drafts	Save the voice note to send later.
Cancel Message	Cancel the message and discard the voice note.

To play a voice note, press  >  Fun & Apps
> Sounds > Voice Recordings.

manage pictures, sounds & videos

You can manage your pictures, sounds, and videos.

Find it:  >  Fun & Apps

Scroll to an item and press the center key  to open it, or press **Options** for other actions, such as setting a picture as your wallpaper or sending a sound in a message.

fun & games

For basic information about the camera, see page 31.

features	
view, delete, or manage pictures	Manage photos, pictures, and animations: • > Fun & Apps > Pictures To copy or move a file from your memory card (📁) to your phone memory (📱), highlight it in the list and press Options > Manage > Copy or Move > Memory Card. You cannot copy or move some copyrighted files.

features	
view, delete, or manage video clips	• > Fun & Apps > Videos To copy or move a file from your memory card (📁) to your phone memory (📱), highlight it in the list and press Options > Manage > Copy or Move > Memory Card. You cannot copy or move some copyrighted files.

features	
hear, delete, or manage sounds	Manage ring tones and music that you have downloaded or composed:   >  Fun & Apps > Sounds To copy or move a file from your memory card () to your phone memory () , highlight it in the list and press Options > Manage > Copy or Move > Memory Card. You cannot copy or move some copyrighted files.
create ring tones	Create ring tones that you can use with your phone:  >  Fun & Apps > Sounds > Ringtones > [New iMelody]
start browser	Press  . 

features	
download objects from web page	Download a picture, sound, or other object from a web page:   > <i>page</i> > <i>link</i> > Select Note: Normal airtime and/or carrier usage charges apply.
store downloaded files on phone or memory card	Choose to store your downloaded files on your phone or memory card:  >  Settings > Device Info > Download Location > Memory Card or Phone To see how much memory is available on your phone or memory card, see page 14.

features		
clear browser history	Clear the browser's history, cache, or cookies:  >  Fun & Apps > Organizer > Browser > Browser Setup > Clear History, Clear Cache, or Clear Cookies	
download game or application	You can download a Java™ game or application the same way you download pictures or other objects:  > <i>desired page > desired link > Select</i> Note: Normal airtime and/or carrier usage charges apply.	

features		
start game or application	Start a Java™ game or application:  >  Fun & Apps > Games & Apps > <i>game or application</i> To install or run games stored on your memory card:  >  Fun & Apps > Games & Apps > [Install New] To download games, first enter a URL to download it from:  >  Fun & Apps > Games & Apps, press Options > Enter URL To view a list of available games, press:  >  Fun & Apps > Games & Apps, press Options > Best@Web	

features

java settings™

Change settings for games on your phone.

⬅️ > ⚙️ **Settings** > **Java Settings**

Select one of these options:

- **Java System:** View version and memory usage details.
- **Delete All Apps:** Remove all Java applications from memory.
- **App Vibration:** Allow Java applications to use vibration feature.
- **App Volume:** Set volume level.

calls

To make and answer calls, see page 15.

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:

Find it:  >  Call Log

Shortcut: Press  from the home screen to see a list of dialed calls.

- 1 Press  or  to cycle through **Received Calls**, **Missed Calls**, **Call Log**, and **Dialed Calls**.
- 2 Scroll to 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 .
 - Pressing **Options** can include these choices:

options	
Send Message	Open a new text message with the number in the To field.
Send Voice Note	Record a voice message to send.

options	
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.
Show ID	Display your caller ID for the next call.
Hide ID	Hide your caller ID for the next call.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent calls lists.

options	
Send Tones	Send the number to the network as DTMF tones. This option shows only during a call.
Filter by	Select dialed or received calls.
Notepad	Open the number in a text editor.
Call Times	Lists time summaries for various groups of calls.
Call Cost	Lists cost summaries for various groups of calls.
Data Times	Lists time summaries for various groups of data.
Data Volumes	Lists volume summaries for various groups of data.

redial

- 1 Press  and then  from the home screen to see a list of dialed calls.
- 2 Scroll to the entry you want to call, then press .

If you hear a **busy signal**, and you see **Call Failed**, you can press  or **Retry** to redial the number.  When the call goes through, your phone rings or vibrates one time, shows **Redial Successful**, and connects the call.

return a call

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

- 1 Press **View** to see the received calls list.

- 2 Scroll to the call you want to return, then press .

notepad

Your phone stores the most recent string of digits entered on the keypad in a temporary memory location called the *notepad*. These digits can be the last phone number that you called, or a phone number that you entered but did not call. These digits remain in the notepad even when you turn off the phone.

To call the number, create a phonebook entry, or perform other operations with a phone number stored in the notepad:

Find it:  >  **Call Log**, press **Options** > **Notepad**

To call the number, press .

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

hold or mute a call

When you are on a call:

Press **Options** > **Hold** to put all active calls on hold.

Press **Options** > **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 **Options** > **Switch**.
- To connect the two calls, press **Link**.
- To end the call on hold, press **Options** > **End Call On Hold**.

To turn the call waiting feature on or off:

Find it:  >  **Settings** > **Call Settings** > **In Call Setup**
> **Call Waiting**

caller ID



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 61).

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

emergency calls

Your service provider programs one or more emergency phone numbers, such as 911, that you can

call under any circumstances, even when your phone is locked, or when 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, such as + for the U.K., + for France, and the phone number.

speed dial

To call speed dial numbers 1 through 9, press and hold the number.

To call speed dial numbers 10-9999, enter the number, press , and press .

assign speed dial numbers

- 1 Press  >  **Phonebook** > *entry*
- 2 Press **Options** > **Add to Speed Dial**, then scroll to a speed dial number and press **Select**.

Note: You can set 1-touch dial to call the entries in your phone's memory or in your fixed dial list. Press  >  **Settings** > **Call Settings** > **Speed Dial** > **Phone Memory** or **Fixed Dial**.

voicemail



Your network stores your voicemail. 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 shows the voicemail message indicator  and **New Voicemail**. Press **Call** to listen to the message.

To **check** voicemail messages:

Find it:  >  **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 your voicemail number. If you want to store a voicemail number with these

characters, create a phonebook entry for it, then use that entry to call your voicemail.

To **change** your voicemail number or turn off voicemail notification, press  >  **Messages**. Press **Options** and select **Setup**. Select **Voicemail Setup**, then scroll to **Notification** and press **Change**.

advanced calling

features	
attach a phone number	Dial an area code or prefix for a phonebook number, then press Options > Attach Number .
conference call	During a call: Dial next number, press  , then press Link . 

features	
transfer a call	During a call: Press Options > Transfer, dial the transfer number, and press . 
call forwarding	Set up or cancel call forwarding:  >  Settings > Call Settings > Call Forward 
call barring	Restrict outgoing or incoming calls:  >  Settings > Call Settings > Call Barring 

features	
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 number:  >  Settings > Device Info > Active Line 
fixed dial	Set phone to call only numbers stored in the fixed dial list. Turn fixed dialing on or off:  >  Settings > Call Settings > Fixed Dial 

features

DTMF tones

Activate DTMF tones:

 >  **Settings** > **Call Settings**
> **DTMF**

To send DTMF tones during a call, press the keypad keys, or scroll to a number in the phonebook or recent calls lists and press **Options** > **Send Tones**.

TTY calls

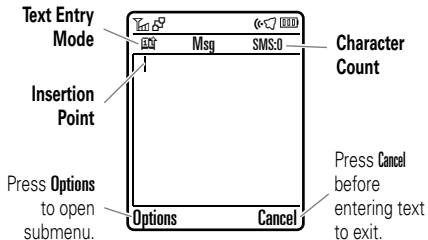
Set up phone for use with an optional TTY device:



 >  **Settings** > **Call Settings**
> **TTY**

text entry

Some features let you enter text.



select entry mode

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

entry mode	
Primary	Enter text using the method you set.
Numeric	Enter numbers only (see page 53).
Symbol	Enter symbols only (see page 53).
Secondary	Enter text using the method you set.

To set up Primary or Secondary entry mode:

- 1 Press the **Options** in any text entry screen.
- 2 Scroll to **Text Setup** and press **Select**.
- 3 Scroll to **Primary Text** or **Secondary Text** and press **Select**.

- 4 Scroll to one of these methods and press **Select**:

entry method	
Tap English	Enter letters and numbers by pressing a key one or more times (see page 52).
Tap Extended	Enter letter, numbers, and symbols by pressing a key one or more times (see pages 52).
iTap English	Phone predicts English words as you press keys (see page 51).
Secondary	Enter text using the method you set.

When you select **Primary** or **Secondary** mode, the phone will use the entry method you assigned to that mode.

To select a text entry mode:

Press **Options** in any text entry screen, scroll to and select **Change Text Mode**, then scroll to and select the desired entry mode.

Tip: Quick change! Press  in a text entry view to select an entry mode.

entry mode indicators

When you select **Primary** or **Secondary** entry mode, these indicators identify the entry mode setting:

primary	secondary	
ab 1	ab 2	Tap, no capital letters.
Ab 1 ↑	Ab 2 ↑	Tap, capitalize next letter only.
AB 1 ↑	AB 2 ↑	Tap, all capital letters.
ab 	ab 	iTAP®, no capital letters.
Ab 	Ab 	iTAP, capitalize next letter only.
AB 	AB 	iTAP, all capital letters.

The indicators for **Numeric** and **Symbol** entry modes are:

non-text entry modes	
12	Numeric mode enters numbers only.
@	Symbol mode enters symbols only.

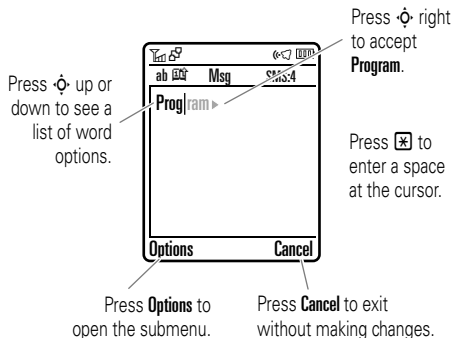
To set your primary and secondary text entry modes, in any text entry view, press **Options** > **Change Text Mode** and select **Primary** or **Secondary**.

iTAP® method

The iTAP software combines your key presses into common words, and predicts each word.

When you enter three or more characters in a row, your phone will guess the rest of the word. For

example, if you press **7 7 6 4**, your screen shows:



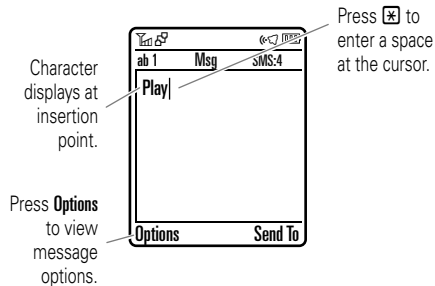
If you want a different word (such as **Progress**), continue pressing keypad keys to enter the remaining letters.

Tip: Don't worry if you forget how iTAP works. In a text entry display, you can press **Options** > **Text Setup** > **Text Tutorial** to see an explanation.

tap & tap extended methods

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. The **Tap Extended** mode works the same way, but includes more special characters and symbols.

For example, if you press **7** once, your display shows:



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

iTAP® and tap mode tips

- Press **0** in a text entry view to change text case to all capital letters, no capitals, or next letter capital.
- 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.
- Press **1** to enter punctuation or other characters.
- Press **⬅️** to move the flashing cursor to enter or edit message text.

- Press  to delete the character to the left of the cursor. Press and hold  to delete all content.
- To cancel your message, press .

numeric mode

Press  in a text entry view until you see **12**. Press the number keys to enter the numbers you want.

symbol mode

Press  in a text entry view until your phone shows a list of symbols. Scroll to the symbol you want, then press .

messages

text messages

send text message

A text message can contain text and pictures, sounds, or other media objects. You can add multiple pages to a message, and you can put text and media objects on each page. You can send a message to other compatible phones, or to email addresses:



Find it: **Shortcuts** (from the home screen, press the left soft key) > **Create Message**

- 1 Use the keypad to enter text on the page (for details about text entry, see page 49).

To insert a **picture, sound, or other object** on the page, press **Options > 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 **Options > Insert > New Page**. You can enter more text and objects on the new page.

Note: You can insert new pages only in a multimedia message.

- 2 When you finish the message, press **Send To**.
- 3 Scroll to a recipient address and press

or

Press **Options**, then select **Enter Number** or **Enter Email** and enter the recipient's phone number or email address.

4 Before you send a message, you can press **Options** to select **Save to Drafts**, **Cancel Message**, or **Sending Options** (such as message **Subject** or **Attachments**).

5 To send the message, press **Send**.

Note: Your phone may indicate this is a **Multimedia Msg**. Some phones or networks do not multimedia messages. Press **Yes** to send the message.

receive text message

When you receive a message, your phone plays an alert, and the display shows **New Message** with a message indicator, such as .



Press **Read** to open the message.

In a multimedia message, photos, pictures, and animations are displayed as you read the message.

A sound file plays when its slide is displayed. Press  to adjust the volume.

Attached files are added to the end of the message. To open an attachment, scroll to the file indicator/file name and press **View**, **Play**, or **Open**.

instant messaging



Use instant messaging to share messages with your friends in real time.

Find it:  >  **IM** > *IM account*

Select the account to log in. If you don't have an IM account, select **[New Account]** to create one.

- To find others online, select **Contact List** to see a list of other users.
- To start a conversation, select a name in the **Online Contacts** list.
- To **open an active conversation**, scroll to a name in the **Conversations** list.

- To end a conversation, press **Options** > **End Conversation**.
- To **log out** from your instant messaging session, press **Options** > **Log Out**.

create or edit an IM account

Note: For account details, contact your service provider.

To create a new IM account, press  >  **IM** > **[New Account]**.

To edit the account, press  >  **IM** *IM account*, press **Options** > **Edit Account**.

more messaging

features

send text message

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

Tip: To send a text message to multiple contacts at the same time, press  >  **Phonebook** > **Options** > **Select Multiple to** > **Send Message**.

features	
send voice message	Shortcuts > Voice Notest  To record the voice message, press , speak the message, then press  again. To send the message, press Send To and select one or more recipients. Tip: To send a voice message to multiple contacts at the same time, press  >  Phonebook > Options > Select Multiple to > Voice Message.
use a multimedia template	Open a multimedia message with preloaded animations:   >  Messages > Templates > Multimedia Templates

features	
read & manage messages	 >  Messages > Message Inbox An icon beside each message indicates if it is read  or unread . Icons also indicate if the message is locked , urgent , or has an attachment . To Reply, Forward, Lock, or Delete a message, highlight the message and press Options. To open a message, press . Then, press Options to use or store any phone numbers, email addresses, Web sites, or files in the message.

features	
clean up (delete all) messages	 >  Messages , select the type of message that you want to delete, for example Outbox , and press Options > Cleanup Messages to delete all messages of that type.
store message objects	Go to a multimedia message page, or scroll to an object in a message, then press Options > Store . 
store text messages on your SIM card	 >  Messages , press Options > Setup  > Message Setup > Text Msg Setup > Default Storage > SIM Card
browser messages	Read messages received by your micro-browser:   >  Messages > Browser Msgs

tools

airplane mode

features	
airplane mode	Set your phone to airplane mode to prevent it from communicating with the network. You can still use games and other applications:  >  Settings > Phone Settings > Airplane Mode > Airplane Mode > On

features	
prompt for airplane mode	Remind yourself to activate airplane mode when you turn on your phone:  >  Settings > Phone Settings > Airplane Mode > Prompt At Startup > On

phonebook

Note: Your phonebook can show entries stored in your phone's memory or on your SIM card. To set which entries you see, press  >  Phonebook > Options > View SIM Card or View Phone Contacts.

features	
set up phonebook	 >  Phonebook > Options > Setup Set how you want to view entries in your phonebook and whether to store entries on your phone or on your SIM card.
add new entry	 >  Phonebook > [New Entry] Enter name and other details, then press Done to store the number.

features

edit or delete entry

 >  Phonebook > entry, press **Options** > **Edit Contact** or **Delete Contact**

To delete multiple entries, press  >  Phonebook > Options > **Select Multiple to** > **Delete**.

Tip: In the phonebook, enter the first letters of an entry to go directly to that entry. You can also press  and  to see entries you use frequently or entries in other categories.

features	
set ringer ID for a phonebook entry	Assign a ringer ID play when you receive a call from that entry (if you activate ringer IDs—see below). To assign a ringer ID: ☛ >  Phonebook > entry, press Options > Edit Contact > Ringer ID > <i>ringer name</i> Note: The Ringer ID option isn't available for entries stored on the SIM card.

features	
set picture ID for entry	Assign a photo or picture to show when you receive a call from an entry: ☛ >  Phonebook > entry, press Options > Edit Contact > Picture > <i>picture name</i> Note: Picture isn't available for entries stored on the SIM card.
set picture ID view for phonebook	Show phonebook entries as a text list or with picture caller ID photos: ☛ >  Phonebook, press Options > Setup > View by > Picture or List

features

set category for entry

☛ > ☑ Phonebook > Options > Edit
Contact > Category > *category name*

Note: Category isn't available for entries stored on the SIM card.

When you open your phonebook, press ☒ or ☐ to see your categories.

features

set category view for phonebook

☛ > ☑ Phonebook, press Options
> Filter by > Category
> *category name*

You can show **All** entries, entries in a predefined category (**General**, **Friends**, **Family**, **Work**), or entries in a category you create.

You can also filter your phonebook view by **Most Recent** and **Most Frequent** callers.

Shortcut: When you open your phonebook, press ☒ or ☐ to toggle through your category lists.

features

create a new category

 >  Phonebook, press **Options**
> **Manage Contacts** > **Edit Categories**
> **[New Category]**

Enter the category name, and select its members from your phonebook entries.

Note: You can create up to 10 categories.

features

edit a category

 >  Phonebook, press **Options**
> **Manage Contacts** > **Edit Categories**

Scroll to the category name and press **Options** > **Edit Category**.

You can edit the category name, members, ringer ID, or picture. Your phone uses the ringer ID and picture whenever you receive calls from numbers in the category.

Note: If you have already assigned a ringer ID or picture to an individual caller, your phone uses those instead.

features	
sort phonebook list	Set the order in which entries are listed:  >  Phonebook, press Options > Setup > Sort by > <i>sort order</i> You can sort the phonebook list by First Name or Last Name.
copy one entry	Copy an entry from the phone to the SIM card, or from the SIM card to the phone:  >  Phonebook > <i>entry</i>, press Options > Copy to SIM Card or Copy to Phone

features	
copy multiple entries	Copy multiple phonebook entries between the phone and SIM card:  >  Phonebook > Options > Select Multiple to > Copy to SIM Card or Copy to Phone
send entry	 >  Phonebook > Options > Send Contact and select either Bluetooth or Messaging

personal organizer

features	
set alarm	 >  Fun & Apps > Organizer > Alarm Clock

features	
turn off alarm	To turn off an alarm, press Disable or . To set an eight-minute delay, press Snooze. Note: The Snooze option is available only if the phone is already powered on when the alarm sounds.
add new task	 >  Fun & Apps > Organizer > Calendar > <i>day</i> > Options > Create New Task
add new datebook event	 >  Fun & Apps > Organizer > Calendar > <i>day</i> > Options > Create New Event

features	
see event details	 >  Fun & Apps > Organizer > Calendar > <i>day</i> Scroll to the event and press  .
edit datebook event	 >  Fun & Apps > Organizer > Calendar > <i>day</i> Scroll to the event and press  > Options > Edit .
event reminder	When an event reminder occurs: To see reminder details, press View. To close the reminder, press Exit.

features	
send datebook event to another device	Send a datebook event to another phone, computer, or device:  >  Fun & Apps > Organizer > Calendar > <i>day</i> Scroll to the event and press , then press Options > Send.
see a list of tasks or events	 >  Fun & Apps > Organizer > Calendar > <i>day</i> > Options > View > Organized Tasks or Organized Events
calculator	 >  Fun & Apps > Organizer > Calculator

features	
currency converter	 >  Fun & Apps > Organizer > Calculator > Options > Exchange Rate Enter the exchange rate and press Ok. Enter the amount to be converted and press Options > Convert
world clock	 >  Fun & Apps > Organizer > World Clock > <i>time zone</i>

features

stopwatch

 >  Fun & Apps > Organizer
> Stopwatch

For split timing: Select **Split timing**. Press **Start** to begin timing, and press **SPLIT** at the end of each split. Press **Stop** to stop timing. Press **Options** > **Reset** to reset the timer.

For lap timing: Select **Lap timing**. Press **Start** to begin timing, and press **LAP** at the end of each lap. Press **Stop** to stop timing. Press **Options** > **Reset** to reset the timer.

connections

Bluetooth® wireless

Your phone supports Bluetooth wireless connections. You can connect your phone with a Bluetooth headset to make handsfree calls. You can also connect your phone with a phone or computer that supports Bluetooth connections to exchange files.

Note: The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving. Additionally, 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.

For maximum Bluetooth security, you should always connect Bluetooth devices in a safe, private environment.

turn Bluetooth power on or off

Find it: **Shortcuts** (from the home screen, press the left soft key) > **Bluetooth**

Tip: You can also press  >  **Settings** > **Bluetooth** > **Setup** > **Power**.

Note: To extend battery life, use this feature to set Bluetooth power to **Off** when not in use. Your phone will not connect to devices until you set Bluetooth power back to **On**.

make phone visible to other devices

Allow an unknown Bluetooth device to discover your phone:

Find it: *Shortcuts* (from the home screen, press the left soft key) > **Bluetooth** > **Setup** > **Find Me**

pair with a handsfree device

Before you try to connect your phone with a handsfree device, make sure both your phone's Bluetooth power is **On** and the handsfree device is **on** and **ready** in *pairing* or *bonding* mode (see the user's guide for the device). You can connect your phone with only one device at a time.

Find it: *Shortcuts* (from the home screen, press the left soft key) > **Bluetooth** > **Handsfree** > **[Look For Devices]**



Your phone lists the devices it finds within range.

- 1 Scroll to a device in the list and press .
- 2 Press **Yes** or **OK** to connect to the device.
- 3 If necessary, enter the device passkey (such as 0000) and press **OK**.

When your phone is connected, the Bluetooth indicator  shows in the home screen.

Shortcut: When Bluetooth power is on, your phone can automatically connect to a handsfree device you have used before. Just turn on the device or move it near the phone.

Tip: Want to know more about your headset or handsfree device? For specific information about a device or for the device's PIN code, refer to the instructions that came with it.

copy files to another device

You can copy a media file, phonebook entry, datebook event, or Web shortcut from your phone to a computer or other device.



Note: You can't copy some copyrighted objects.

- 1 If necessary, turn on your phone's Bluetooth power (see page 68).
- 2 Pair your phone and the other device (see page 69).
- 3 On your phone, scroll to the object that you want to copy to the other device.
- 4 Press **Options**, then select:
 - **Manage > Copy** for media files
 - **Send Contact** for phonebook entries
 - **Send** for datebook events

- 5 Select a recognized device name, or **[Look For Devices]** to search for the device where you want to copy the file.

If your phone could not copy the file to the other device, make sure the other device is **on** and **ready** in *discoverable* mode (see the user's guide for the device). Also, make sure the device is not busy with another similar Bluetooth connection.

Note: Once you connect your phone to a Bluetooth device, that device can start similar Bluetooth connections with your phone. Your display shows the Bluetooth indicator  at the top when there is a Bluetooth connection.

receive files from another device

If you do not see the Bluetooth indicator  at the top of your phone display, turn on your phone's Bluetooth feature: 

Find it: *Shortcuts* (from the home screen, press the left soft key) > **Bluetooth** > **Setup** > **Power** > **On**

- 1 If necessary, turn on your phone's Bluetooth power (see page 68).
- 2 Pair your phone and the other device (see page 69).
- 3 Send the file from the device.

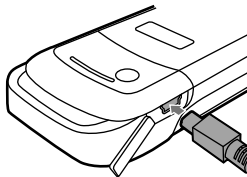
If your phone and the sending device don't recognize each other, place your phone in discoverable mode so the sending device can locate it (see page 69).

- 4 Press **Accept** to accept the file from the other device.

Your phone notifies you when file transfer is complete. If necessary, press **Save** to save the file.

cable connections

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



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 calls through a connected computer, see page 75.

connect your memory card to a computer

You can use a cable connection to access your phone's memory card with a computer.

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

On your phone:

Find it:  >  **Settings** > **Phone Settings**
> **USB Connection Type** > **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.



To change your USB default connection back to a data connection:

Find it:  >  **Settings** > **Phone Settings**
> **USB Connection Type** > **Modem**

On your computer:

- 1 Open your "My Computer" window, where your phone's memory card shows as a "Removable Disk" icon.
- 2 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 to the appropriate folder:
 - **music (MP3 or AAC) files:** mobile > audio
 - **screen savers:** mobile > picture
 - **wallpapers:** mobile > picture
 - **video clips:** mobile > video

- 4 When you finish, remove the device by selecting the “Safely Remove Hardware” icon in the system tray at the bottom of your computer screen. Then select “USB Mass Storage Devices” and “Stop”.
- 5 Select “USB Mass Storage Device” then “OK”.

phone software updates

Sometimes we think of ways to make your phone's software faster or more efficient after you've purchased your phone. You can find out if your phone can be updated and register for free update notifications at: <http://www.hellomoto.com/update>



Note: Software updates do not affect your phonebook entries or other personal entries.

network

To see network information and adjust network settings, press  >  **Settings** > **Network Details**.



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 resetable timer may not equal the amount of time for which you are billed by your service provider. For billing information, contact your service provider.

features		
call timers	Show call timers:	
	 >  Call Log, press Options > Call Times	
in-call timer	Show time or cost information during a call:	
	 >  Settings > Call Settings > In Call Setup > In-Call Timer	
call costs	Show call cost trackers:	
	 >  Call Log, press Options > Call Cost	

features		
data timers	Show data timers:	
	 >  Call Log, press Options > Data Times	
data volumes	Show data volume meters:	
	 >  Call Log, press Options > Data Volumes	

data calls

To connect your phone with a USB cable, see page 71.

features		
send data	Connect your phone to the device, then place the call through the device application.	
receive data	Connect your phone to the device, then answer the call through the device application.	

service & repairs

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

Go to www.motorola.com/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 1.23 W/kg, and when worn on the body, as described in this user guide, is 0.46 W/kg. The SAR value for this product in its data transmission mode (body-worn use) is 0.40 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>

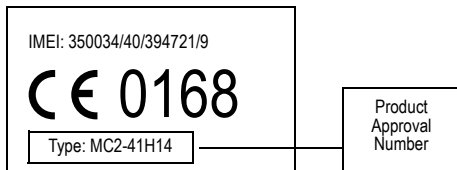
1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

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



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 (the 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.

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```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg" (88x31) and "pngnow.png" (98x31).

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
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TCP Compression

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Van Jacobson (van@helios.ee.lbl.gov), Dec 31, 1989: - Initial distribution.



MOTOROLA

Important Safety and Legal Information

Safety and General Information

This section contains important information on the safe and efficient operation of your mobile device. Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Energy

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

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

Operational Precautions

For optimal mobile device performance, and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standards, always follow these instructions and precautions.

Product Operation

When placing or receiving a phone call, hold your mobile device just like you would a landline phone.

If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola—or if you hang your mobile device from a lanyard around your neck—keep the mobile device and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our Web site at: www.motorola.com.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so.

In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using

your mobile device with your implantable medical device, consult your healthcare provider.

Driving Precautions

The use of wireless phones while driving may cause distraction. Discontinue a call if you can't concentrate on driving.

Additionally, 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.

Responsible driving practices can be found in the "Smart Practices While Driving" section in this guide (or separate guide).

Operational Warnings

Obey all posted signs when using mobile devices in public areas.

Potentially Explosive Atmospheres

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

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

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

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not throw your battery or mobile device in the trash.
	Do not let your battery, charger, or mobile device get wet.
	Listening at full volume to music or voice through a headset may damage your hearing.

Batteries & Chargers

Caution: Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see the “battery use & safety” section in the user’s guide.

Keep Your Mobile Device and Its Accessories Away From Small Children

These products are not toys and may be hazardous to children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile device until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may occur even if a person has 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 physician before playing video games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are tired.

Caution About High Volume Usage



Warning: Exposure to loud noise from any source for extended periods of time may affect your hearing. The louder the volume sound level, the less time is required before your hearing could be affected. To

protect your hearing:

- Limit the amount of time you use headsets or headphones at high volume.

- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

If you experience hearing discomfort, including the sensation of pressure or fullness in your ears, ringing in your ears, or muffled speech, you should stop listening to the device through your headset or headphones and have your hearing checked.

For more information about hearing, see our Web site at www.motorola.com/hearingsafety (in English only).

Repetitive Motion

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. If you continue to have discomfort during or after such use, stop use and see a physician.

[Mar0108]

Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept

any interference, including interference that may cause undesired operation of the device. See RSS-GEN 7.1.5.

FCC Notice to Users

The following statement applies to all products that have received FCC approval. Applicable products bear the FCC logo, and/or an FCC ID in the format FCC-ID:xxxxxx on the product label.

Motorola has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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. See 47 CFR Sec. 15.19(3).

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment

generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

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

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

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

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

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

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or

certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

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

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

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

Software

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

Exclusions

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

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

Who Is Covered?

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

What Will Motorola Do?

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

How to Obtain Warranty Service or Other Information

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

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

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

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

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

Hearing Aid Compatibility with Mobile Phones

Some Motorola phones are measured for compatibility with hearing aids. If the box for your particular model has “Rated for Hearing Aids” printed on it, the following explanation applies.

When some mobile phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box.

The ratings are not guarantees. Results will vary depending on the user’s hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to be more usable with a hearing device’s telecoil (“T Switch” or “Telephone Switch”) than unrated phones. T4 is the better/higher of the two ratings. (Note that not all hearing devices have telecoils in them.)

Hearing devices may also be measured for immunity to this type of interference. Your hearing device manufacturer or hearing health professional may help you find results for your hearing device. The more immune your hearing aid is, the less likely you are to experience interference noise from mobile phones.

Information from the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF

exposure by limiting the length of calls or by using handsfree devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: <http://www.who.int/peh-emf>

Product Registration

Online Product Registration:

www.motorola.com/us/productregistration

Product registration is an important step toward enjoying your new Motorola product. Registering permits us to contact you for product or software updates and allows you to subscribe to updates on new products or special promotions. Registration is not required for warranty coverage.

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

Thank you for choosing a Motorola product.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation

or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

Caring for the Environment by Recycling



This symbol on a Motorola product means the product should not be disposed of with household waste.

Disposal of your Mobile Device and Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at: www.motorola.com/recycling

Disposal of your Mobile Device Packaging and User's Guide

Product packaging and user's guides should only be disposed of in accordance with national collection and recycling requirements. Please contact your regional authorities for more details.

California Perchlorate Label

Some mobile phones use an internal, permanent backup battery on the printed circuit board that may contain very small amounts of perchlorate. In such cases, California law requires the following label:

"Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate."

There is no special handling required by consumers.

Privacy and Data Security

Motorola understands that privacy and data security are important to everyone. Because some features of your mobile device may affect your privacy or data security, please follow these recommendations to enhance protection of your information:

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Lock your device's keypad where this feature is available.
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- **Erase before recycling**—Delete personal information or data from your mobile device prior to disposing of it or turning it in for recycling. For step-by-step instructions on how to delete all personal information from your device, see the section entitled "master clear" or "delete data" in the user's guide.

Note: For information on backing up your mobile device data before erasing it, go to www.motorola.com and navigate to the "downloads" section of the consumer Web page for "Motorola Backup" or "Motorola Phone Tools."

- **Understanding AGPS**—To provide location information for emergency calls, certain Motorola mobile devices incorporate *Assisted Global Positioning System* (AGPS) technology. AGPS technology also can be used in non-emergency applications to track and monitor a user's location—for example, to provide driving directions. Users who prefer not to permit such tracking and monitoring should avoid using such applications.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at privacy@motorola.com, or contact your service provider.

Smart Practices While Driving

Drive Safe, Call Smart

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas—for example, handsfree use only. Go to www.motorola.com/callsmart (in English only) for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

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



TM

- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.

- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies.*
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.*
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

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U.S. patent Re. 34,976