

APPLICANT MOTOROLA INC.

FCC ID: IHDP56KC5

INSTRUCTION MANUAL

A representative version of the user's manual follows:

Please note:

This draft documents features as they were available and functioning at the time of production.

Any screen captures are preliminary.


This draft uses an A6-size template.

Congratulations

MOTOROLA MILESTONE™

MOTOROLA MILESTONE™ gives you a premium browsing and messaging experience with the very latest from Google™, all in a thin touch QWERTY slider.

- **Browsing.** Get more from the Web, with a huge screen and full HTML. Search, browse, everything you want to do, all made easier.
- Maps, entertainment, and more. The latest technology and apps. MotoNav and Google Maps™ to find your way. YouTube™ to stay entertained. Easy access to Google and thousands of Android applications to expand your world.

Caution: Before assembling, charging or using your phone for the first time, please read the important legal and safety information packaged with your phone. Once your phone is up and running, press Menu  > **Settings** > **About phone** > **Safety information** to read the full information.

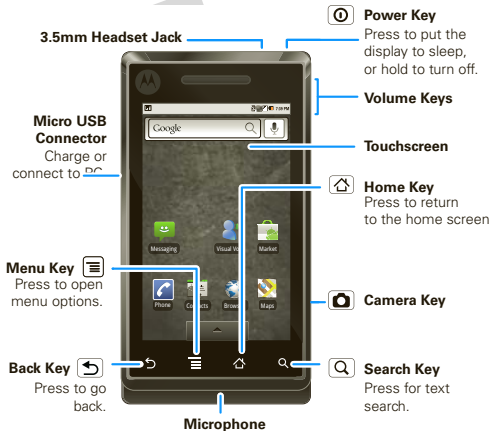
More information

On your computer—Go to www.motorola.com/support/.

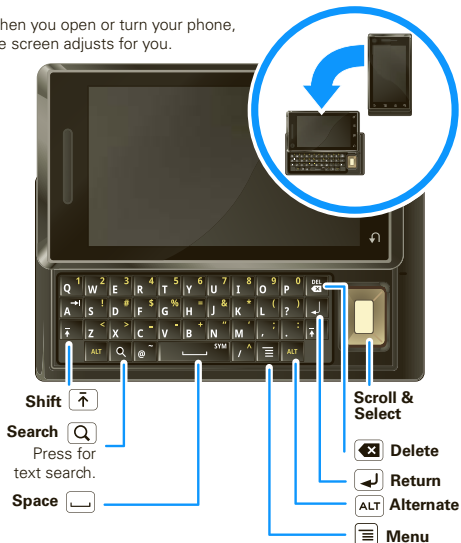
So, whether you want to read, watch, or play, we can help.

Your phone

the important keys & connectors



When you open or turn your phone, the screen adjusts for you.



Note: Your phone might look a little different.

Let's go

let's get you up and running

Assemble & charge

1 SIM in



2 microSD in (may already be inserted)



3 battery in



4 cover on



5 charge up



Caution: Please read the battery use and safety text at the back of this guide.

Set up & go

The first time you turn on your phone, a setup wizard guides you through signing in to your existing Google™ account. If you don't have a Google account, you can create one using the wizard.

Tip: Remember to write down your username and password, and keep them in a safe place.

Turn it on & off

To turn on your phone, press and hold Power  (on top of the phone).



To turn off your phone, press and hold Power , then tap **Power off**.

Wi-Fi connect

If you want to use a Wi-Fi computer network for even faster Internet access, press Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings**.

Cool content & more

Browse and download thousands of the coolest apps on the planet from Android Market™.

Learn more about downloading new apps with “Android Market™” on page 19.

Your phone comes with a microSD memory card installed—you can load it up with photos, videos, and music from your computer using “USB drag & drop” on page 41.

Touchscreen & keys

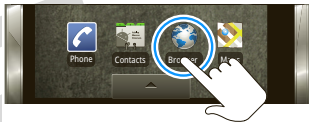
a few essentials

Touch tips

Here are some tips on how to navigate around your phone.

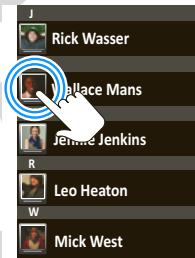
Tap

To choose an icon or option, *tap* it.



Tap & hold

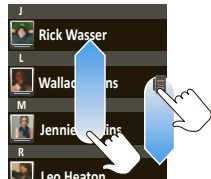
To open special options, *tap and hold* an icon or other item. Try it: In the home screen, tap **Contacts**, then tap and hold a contact to open options.



Drag

To scroll through a list or move slowly, *drag* across the touchscreen. Try it: In the home screen, tap **Contacts**, then drag your **Contacts** list up or down.

Tip: When you drag or flick a list, a *scroll bar* appears on the right. Drag the scroll bar to move the list to a letter A - Z.



Flick

To scroll through a list or move quickly, *flick* across the touchscreen (drag quickly and release).

Tip: When you flick a long list, tap the screen to stop it from scrolling.


Zoom


Get a closer look at maps or web pages. To zoom in, *double-tap* the screen, or *tap* the screen with two fingers and then slide them apart. To zoom out, *double tap* the screen again, or *drag* your fingers together.

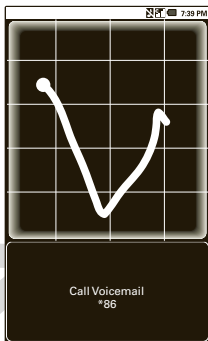
My Sign

Draw on your screen to get to your favorite apps. To open **My Sign**, tap the **My Sign** icon on the home screen or in the Applications tab.

Draw the sign for the action you want. For example, draw a “V” to go to voicemail.

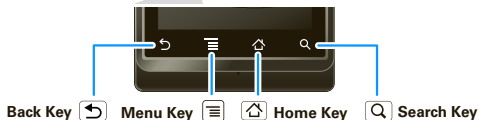
To see which actions are already assigned to signs, press Menu . You'll also see several signs that are unassigned.



To assign an action to a sign, press Menu , tap the unassigned sign, then tap an app from the list.






Key tips

Menu, home, & back





Press Home  to close any menu or app and return to the home screen. In the home screen, press and hold Home  to show the last few apps you used, then tap an app to open it.


Press Search  for text search, or press and hold for voice search.

Press Menu  to open menu options, or press Back  to go back.

Sleep & wake up


To save your battery, prevent accidental taps, or when you want to wipe smudges off your touchscreen, put the touchscreen to sleep by pressing Power . To wake up the touchscreen, just press Power  again, or open the phone.



To change how long your phone waits before the screen goes to sleep automatically, press Menu  > **Settings** > **Sound & display** > **Screen timeout**.

Tip: To make the screen lock when it goes to sleep, use “Screen lock” on page 44.

Power key menu

Press and hold Power  to open the power key menu, where you can turn off the phone (**Power off**), or turn **Airplane mode** or **Silent mode** on or off.

Adjust volume

Press the volume keys to change the ring volume (in the home screen), or the earpiece volume (during a call).



 **Volume Keys**

Spin the screen


The touchscreen can rotate 90 degrees to stay right-side up when you rotate your phone:

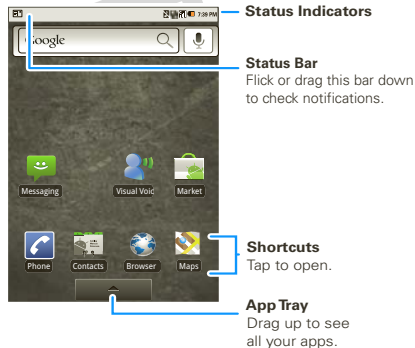
Find it: Menu  > **Settings** > **Sound & display** > **Orientation**

Home screen

quick access to the things you need most

Quick start: Home screen

The *home screen* gives you all your latest information in one place. It's what you see when you turn on the phone or press Home  from a menu. It's basically like this:



Note: Your homes screen might look a little different.


The home screen extends beyond what you see on the screen to give you more room for adding

shortcuts, widgets, and more. Flick the home screen left and right to see more panels or to add widgets or shortcuts.




Widgets

Add a *widget*, such as a clock, music player, or a calendar that shows upcoming appointments.

To open a widget, tap it. To add widgets, press Menu  > **Add > Widgets**.

Note: If you install apps from Android Market that have widgets, tap and hold the home screen, then select a widget to add to the home screen.

Shortcuts


To add shortcuts to the home screen, open the Applications tab, then tap and hold the shortcut you want. It will be added to the home screen. Or, press Menu  > **Add > Shortcuts**.

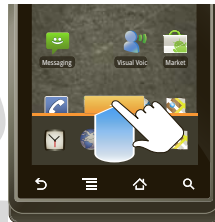
Apps

Your phone comes with some apps already, and you can download and install more (see “Browse & install apps” on page 19). To open an app, tap it.

Applications tab



All the apps on your phone, including the apps that came with your phone, and the ones you download and install, are listed in alphabetical order in your *Applications tab*.

To open the Applications tab, tap  and drag up.



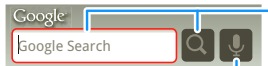
Running multiple apps

No need to close an app before opening another one. Your phone runs multiple apps, all at once.

You can open a new app while already running another. Press Home  to return to the home screen. Open the Applications tab and tap the app you want. To switch from *one* running app to another, press and hold Home  to see what apps are already open, then tap the one you want. You can view up to the last six apps that you ran.

Search

To search, tap Search  on the front of the phone, or press Search  on the QWERTY keypad.





















Search by voice.

For a text search, tap the text box & type using the touch keypad or the QWERTY keypad. Then, tap the icon for a text search.

Phone status & notifications

The status bar at the top of the screen contains icons that tell you about messages and phone status. To view your notifications, tap the status bar and drag it down. Icons on the right tell you about phone status:

	Bluetooth™ active		network (full signal)
	GPS active		network (roaming)
	Wi-Fi active		downloading
	volume		voicemail message
	vibrate		3G (fastest data)
	silent		flight mode
	mute call		battery (charging)

	signal (roaming)		battery (full charge)
	speakerphone active		alarm set
G	GPRS (fast data)	E	EDGE (faster data)

Tip: To see today's date, tap and hold the status bar at the top of the screen.

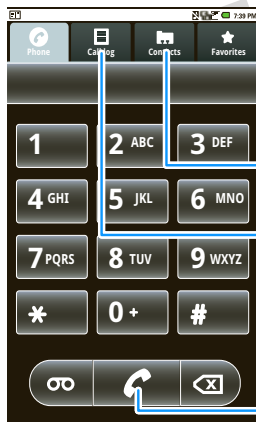
Calls

it's good to talk

Quick start: Calls

Dialing options

Find it: Home  >  **Phone**



Contacts

Tap to open, then tap an entry to call.

Recent Calls



Tap to open, then tap an entry to call.

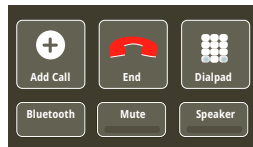
Call

Enter a phone number and tap here to call it.

In-call options

During a call, tap **Bluetooth** to use a Bluetooth™ device.

Tip: You can press Home  or Back  to leave the active call display. To reopen it, press Home  >  **Phone** > **Return to call in progress.**




To mute a call, tap **Mute**.

Make & answer calls

To make a call, press Home  >  **Phone**, enter a number, then tap .

To answer a call, drag  to the right.

To end a call, tap **End**.

To ignore a call, drag  to the left.

Handsfree

Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

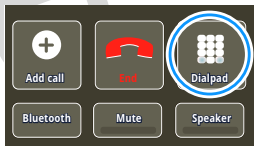
During a call:

- To use the speakerphone, tap **Speaker**.

- To use a Bluetooth™ device, tap **Bluetooth**.

Enter numbers during a call

To enter numbers during a call, tap **Dialpad**.



Recent calls

Find it: Home > **Phone** > **Call log**

- To call a number, tap it.
- To send a text message, create a contact, view a contact, or other options, tap and hold an entry.
- To clear the list, press Menu > **Clear call log**

Frequent calls

Find it: Home > **Phone** > **Favorites**

- To call a number, tap it.
- To send a text message, view a contact, or other options, tap and hold an entry.

Conference calls

To start a conference call, call the first number. After they answer, tap **Add call** and call the next number. When the next number answers, tap **Merge call**.

During a conference call, press Menu > **Manage conference** to end the call with a participant, or to talk privately to a participant.

Your phone number

Find it: Menu > **Settings** > **About phone** > **Status** > **My phone number**

Emergency calls

Note: Your service provider programs one or more emergency phone numbers (such as 911 or 112) that you can call under any circumstances, even when your phone is locked. Emergency numbers vary by country. Your pre-programmed 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 Home > **Phone** (if your phone is locked, tap **Emergency Call**).
- 2 Enter the emergency number.
- 3 Tap to call the emergency number.

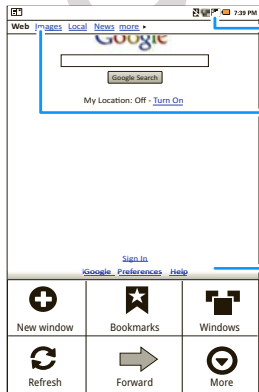
Note: Your mobile device can use AGPS satellite signals to help emergency services find you (“GPS & AGPS” on page 48).

Web

you don't need a PC, surf the web with your phone

Quick start: Browser

Find it: Home  >  **Browser**




Connection

Over the air or Wi-Fi.


Links

Tap to open.

Web Address

To enter a URL, press .

Drag or flick to scroll.


Press  to display options.

Note: If you can't connect, contact your service provider.

Connect

Your phone uses the mobile phone network (over the air) to automatically connect to the Web.

Note: Your service provider may charge to surf the Web or download data.

To use a wireless network, press Menu  > **Settings** > **Wireless & networks**. Tap **Wi-Fi** to turn it on and tap **Wi-Fi settings** to search for nearby wireless networks. Tap a network to connect.


Select web links

When you tap a link, your phone outlines it and goes to that page.

If you tap and hold the link, your phone shows options, like **Open in new window** or **Bookmark link**.




Browser options

Press Menu  to see browser options:

options	
Refresh	Reloads the current page.
Windows	View the browser windows that are currently open.

options

New window	Add a new browser window to your list.
Back/Forward	Navigate to previously viewed pages.
Add bookmark	Add the current page to your bookmark list. Tap  to see your bookmarks.
More	Shows browser options, like Find on page , Select text , Page info , Share page , Downloads , and Settings .

Personal navigation

toss away your maps

Quick start: Personal navigator

Your phone comes with a trial version of **MOTONAV™** GPS navigation system, which shows you the way with accurate maps and routing.

Find it: Home  >  >  **MOTONAV**

Turn-by-turn directions. You'll never wonder where to turn.

3-d lane guidance. Preview your route and destination. You can look around to see landmarks and turns.

Connected navigation. Get live traffic reports and alerts. Select alternate routes.

Navigation linked to contacts. Store an address or location information, you're two clicks away from seeing it on a map.

More details

For step-by-step instructions, go to www.motorola.com/motonav.

Google Maps™

where you are, where you're going

Note: This feature is not available in all areas. Check with your service provider.

Set your location sources

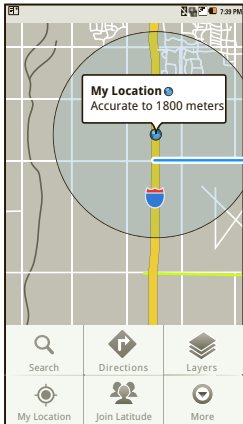
Set your phone to determine your location using GPS satellite signals (highly accurate, but uses battery power) or using the mobile network (less accurate, but conserves battery power).

To set your location, press Menu  > **Settings** > **Location & security** > **Use GPS satellites** and/or **Use wireless networks**.

Quick start: Google Maps


Where am I? Where do I want to go? Don't worry—let Google Maps™ mapping service find out for you.

Find it: Home  >  Maps



Map View



Drag or flick to scroll.
Tap to show zoom.

Press  to show options.



Google Maps™ mapping service opens by default in “Map mode.” To learn more about the different map modes, go to “Select map mode” on page 16.

Find your location





Note: Don't forget to set your location sources.

From the main Map screen, press Menu  > **My Location**. Your location is shown on the map as . The bigger the circle, the less accurate the location.


Find any location

- 1 Press Menu  > **Search**.
- 2 Enter text in the search box, like an address, business, or city, then tap .
Tip: If it's an address you have visited before, select from the list shown.
- 3 Tap the search box to view all the results, then tap the one you want. Select **Show on map**, **Get directions**, **Call** or **Add as a contact**.

Get directions

- 1 Press Menu  > **Directions**.
- 2 Enter a starting point address or tap  and select **My current location**, **Contacts**, or **Points on map**.
- 3 Enter an end point address or tap  and select **Contacts** or **Points on map**.
- 4 Select your mode of transport (car, public transport or walk), then tap **Go**. Your directions are shown as a list. To view your directions on a map, tap **Show on map**.
- 5 When you have finished, press Menu  > **More** > **Clear map**.

Select map mode

Press Menu  > **Layers** to select from **Traffic**, **Satellite**, **Latitude** or recent searches, viewed positions or directions.

Press Menu  > **Layers** > **More layers** to select from **My Maps**, **Wikipedia**, or **Transit Lines**.

Tap **Clear Map** to clear your selections.

Map view

Shows a map, complete with names of streets, rivers, lakes, mountains, and borders. This is the default view.

Satellite view

Shows map on top of aerial photo.

Traffic view

If available in your area, real-time traffic conditions are shown on the roads as color-coded lines.


Latitude

where are your friends & family?

Note: This feature is not available in all areas. Check with your service provider.

Join Latitude


See where your friends and family are on Google Maps™. Plan to meet up, check that your parents got home safely, or just stay in touch.

Don't worry, your location is not shared unless you agree to it. You need to join Latitude, and then invite your friends to view your location or accept their invitations. When using Google Maps, press Menu  > **Join Latitude**. Read the privacy policy and if you agree with it, tap **Agree & share**.

Add & remove friends

Find it: Home  >  **Maps** > Menu  > **Latitude**

To add friends:

- 1 Press Menu  > **Add friends**.
- 2 Tap **Select from Contacts** or **Add via email address**, then tap a contact > **Add friends**.

If your friends already use Latitude, they'll receive an email request and a notification. If they have not yet joined Latitude, they'll receive an email request that

invites them to sign in to Latitude with their Google account.

To remove friends:



- 1 Press Menu  > **Latitude** to show your friend's list, then tap a friend in your list.
- 2 Tap **Remove**.

Share location



When you receive a request to share location details you can choose to:

- **Accept and share back**—see your friend's location, and your friend can see yours.
- **Accept, but hide my location**—see your friend's location, but they can't see yours.
- **Don't accept**—location information is not shared between you and your friend.

Hide your location

Press Menu  > **Latitude** to show your friend's list. Tap your contact name, then press Menu  > **Privacy** > **Hide your location**.

Turn off Latitude

Press Menu  > **Latitude** to show your friend's list. Tap Menu  > **Privacy** > **Turn off Latitude**.

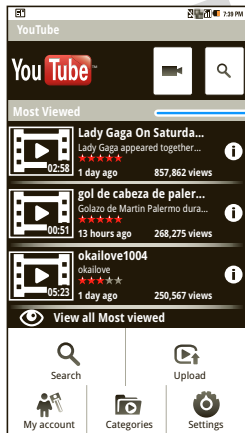
YouTube™

go and create your own classic

Quick start: YouTube

Post that great video you've taken and see how many hits you get.

Find it: Home  >  >  **YouTube**



Categories


Tap a video to play.

Press  to show options.


YouTube user-generated content website lets you share videos with YouTube users everywhere. You don't need a YouTube account to browse and view videos.

Note: If you don't have a YouTube account, visit www.youtube.com to find out more. To create an account or sign in, go to "Your account" on page 18.

Watch videos

See popular video categories, like Most viewed, Most discussed and Most recent. Tap a category, then tap the video to start playing it. To see more video categories, press Menu  > **Categories**.


Search for videos

Find it: Menu  > **Search**

Enter text, then tap . To clear your search history, press Menu  > **Settings** > **Clear search history**.

Share videos

Send someone a link to a video that you are watching.

- 1 Press Menu  > **Share**.
- 2 Address and complete your email, then tap **Send**.

Your account

Log in or create account

Find it: Menu  > **My account**

- 1 To create your YouTube account, tap the "Don't have a YouTube account? Click **here** to create one" link.

If you already have a YouTube account, enter your username, password and tap **Sign in**.

- 2 For a new account, enter a username, and complete the fields, then tap **I accept**.

Upload videos

Find it: Menu  > **Upload**


- 1 Tap the video you want to upload. You can change the video title, description, set the access, and add tags.
- 2 Tap **Upload**.

Apps for all

get the app you want

Android Market™

Find it: Home  >  **Market**

Get all the fun games and cool apps you want! Market provides you with access to software developers everywhere, so you can find the app you want. If you need help or have questions about Android Market, press Menu  > **Help**.


Browse & install apps

Scroll to and tap the app you want to install. Then, tap **Install** (if app is free) or **Buy**.

Warning: If an app you are downloading requires access to your data or control of functions on your phone, you'll be asked to give your permission. After selecting **Install**, the app will download. After selecting **Buy**, you may be asked to sign in to an additional Google account. Sign in and select **Purchase now** to proceed. Follow the on-screen instructions. To see the download progress, open the notifications window.

After you download an app, the icon for that app appears on your Applications tab (see “Apps” on page 8).

Manage & restore apps

To manage your apps, from your phone's home screen press Menu  > **Settings** > **Applications** > **Manage applications**

Tap the app to open the details screen—from here you can review, uninstall, and more.

To reinstall any downloaded items, press Home  >  **Market** > **Download**. All previously installed apps are listed and available for download.

Manage your life

stay on top of things

What can you manage?

Email, contacts, and calendar on your phone give you access to the same personal information that you add, view, and edit on your computer with the use of Microsoft™ Outlook™.

You can:

- View Google™ and Exchange contacts in one list.
- Schedule and respond to meeting requests.
- Access your company directory.


For more information, see “Synchronize with Microsoft™ Office Outlook™” on page 22.

Gmail



Create a new email

Find it: Home  >  >  **Gmail** >  Menu > **Compose**









Enter the recipient email address and message, then tap **Send**.

Tip: Press Menu  for options, like **Attach** or **Add Cc/Bcc**.

Tips

- To **search** for messages, tap Menu  > **Search**.
- To **set new email notifications**, such as having a special sound play when you receive a message, tap Menu  > **Settings** > **Email notifications**, then select the ringtone and vibrate options.
- To label an email thread, tap and hold a message, then tap **Change labels**.

Shortcuts

inbox	
Refresh list	Press Menu  + U .
Compose new	Press Menu  + C .
Open conversation	Press Enter.
Archive conversation	Press Menu  + Y .
Jump to top of list	Press Alternate  +  up .
Jump to end of list	Press Alternate  +  down .
Page up	Press Shift  + spacebar .
Page down	Press spacebar.

Email

Set up an account


Find it: Home  >  >  **Email**

The email setup wizard will guide you through setting up your email account.

Create a new email

Find it: Home  >  >  **Email** >  Menu > **Compose**


Enter the recipient email address and message, then tap **Send**.

Tip: Press Menu  for options, like **Attach** or Add Cc/Bcc.

Calendar


Find it: Home  >  >  **Calendar**

View your calendar in different ways:

Press Menu  > **Agenda**, **Day**, or **Week**.

When you highlight an event in the day and week views, more details appear.

Add calendar events

From any calendar view, press Menu  > **New event**. Enter event details and tap **Done**.

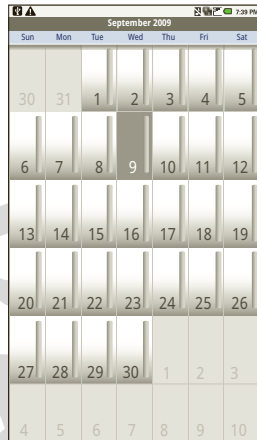
Manage calendar events

To edit an event, tap and hold the event, then tap **Edit event**. Edit event details, then when you're done, tap **Done**.

Google data synchronization

Find it: Menu  > **Settings** > **Accounts & sync**

The Google apps on your phone give you access to the same personal information (emails, events, and contacts) that you have on a computer using Google



Mail, Calendar, and Contacts. It's easy to synchronize the Google apps information you want to keep up-to-date.

Select apps to synchronize

- 1 Tap **Background data**.

Tip: To save battery power do not tap **Background data**.

- 2 Tap **Add account** to add the apps you want to synchronize, like **Google**, **Facebook**, or **Corporate**.

Synchronize with Microsoft™ Office Outlook™

If you use Microsoft™ Office Outlook™ on your work computer, your phone can synchronize emails, and events with your Microsoft™ Exchange server.

Find it: Menu  > **Settings** > **Accounts & sync** > **Add account** > **Corporate**

- 1 Enter your username (username@company.com), password, email address, and server details including domain name and security type (server address is the same URL you use to access your company's email using the Web on your computer).

Note: Contact your business IT department for server details.

- 2 Tap **Next**.

- 3 Set up your sync options: select email, contacts, or calendar.
- 4 Tap **Save & Sync**.

Contacts

contacts like you've never had before

Quick start: Contacts


Find it: Home  >  **Contacts**



Contacts List

Tap to view contact information. Tap & hold to edit, delete, and more.

Menu Options

Press Menu  to edit sync groups or to add/import new contacts.

Tip: To search the list, just open your phone and type a name. When you flick or drag this list, a scroll bar appears on the right. Drag the scroll bar to move the list faster.

Import contacts from your SIM

Note: You need to set up an email account (see page 21) before you can import contacts from your SIM.

Find it:  **Contacts** > Menu  > **Import/Export** > **Import from SD card**

Note: You might have already imported contacts from your SIM during “Set up & go” on page 4.

Call, text, or email contacts

Find it:  **Contacts**

For **View contact**, **Call contact**, **Text contact**, **Add to favorites**, or other options, tap and hold the contact.

Edit or delete contacts

Find it:  **Contacts**

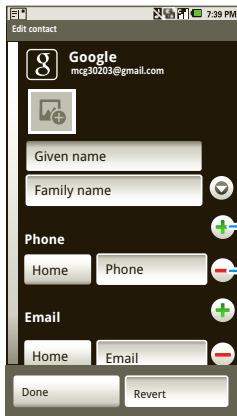
Tap the contact, then press Menu  > **Edit contact** or **Delete contact**.

Tip: When editing a contact, you can set a ringtone, address, and other details that will be saved on your phone.

Create contacts

Find it:  **Contacts** > Menu  > **New contact**

Select the account to save the contact to, then type the contact name and details.



Tap **Home** to choose a different type for this entry.

Tap **+** to add another entry.

Tap **-** to remove this entry.

To see more details, flick up.

When you're finished, tap **Done**.

Groups

Find it: **Contacts** > Menu > **Display options**

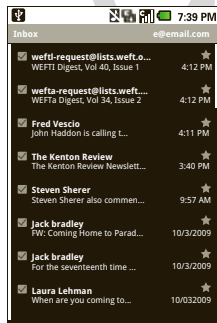
You can put your **Contacts** into groups that you create (like "friends," "family," or "work"). Then, you can find contacts faster by showing one group at a time.

Messaging

sometimes it's best 2 text, or IM, or email . . .

Quick start: Messaging

Find it: Home > **Messaging**



Message List

Tap to open a message. Tap & hold to move, delete, and more.

Tip: To see more messages, flick or drag up.

Read & reply to messages


- To open a message and all of its replies, tap it.
- To respond to a message, just open it and enter your response in the text box at the bottom.
- To open options, tap and hold a message.

Create messages

Find it:  **Messaging > New message**

Enter the recipient and message. In text messages and emails, press Menu  for options, like **Insert smiley** or **Attach**.

Send & receive attachments




To send a file in a message, open a new message and press Menu  > **Attach**.

When you receive a message with an attachment, open the message and tap the file name to download it. Then, tap the name again to open it. Some file formats can be converted to HTML for faster viewing, and your phone will show a button that says **Get HTML version**.

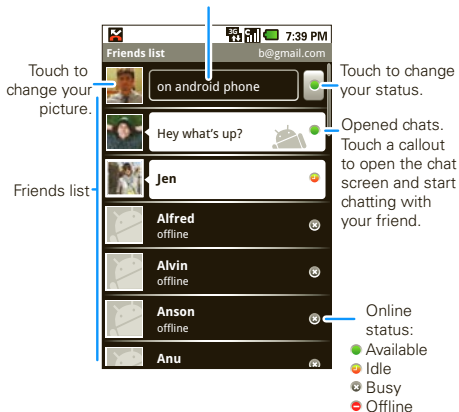
Tip: To send and receive large attachments faster, use a Wi-Fi connection, in “Wi-Fi” on page 40.


Google Talk™

Google Talk instant messaging lets you chat with other Google Talk users on phones or on the web.

Find it: Home  >  >  **Talk**





Touch to change your online status message.



Press Menu  to see a list of your Google Talk friends, send invitations to add new friends, and much more.




Instant messages

To send and receive instant messages, you can use an instant messaging app (such as Google Talk™) or your browser.

- To download and use an instant messaging app, press Home  >  **Market** > **Apps** > **Communication**, then choose an app for your provider. Once you download the app, you'll see it on your Applications tab (see "Apps" on page 8).
- If you don't see an app for your IM provider, you can use your Web browser. Press Home  >  **Browser**, then enter your provider's Web site and tap **Go**. Once you're there, follow the link to sign in.

Note: Your IM options will depend on your IM provider. To browse instant messaging apps from your computer, go to www.android.com/market.

Voicemail











When you have a new voicemail,  shows at the top of your screen. To hear the voicemail, tap  **Phone**, then tap and hold .







Text entry


think keyboard, now think smaller

Typing tips


To use the full keypad, slide open your phone (there's a keypad diagram in "Your phone" on page 2):

To...	
Choose symbols from a list	Press Alternate  > Symbols 
Enter alternate characters in the corners of keys	Press Alternate 
Enter several alternate characters, until you press Alternate  again	Press Alternate  twice
Enter one capital letter	Press Shift 
Enter only capital letters, until you press Shift  again	Press Shift  twice
Select text	Tap and hold Shift  then press  left or right.
Cut or Copy selected text	Tap and hold text > Cut or Copy

To...	
Paste cut or copied text	Tap and hold > Paste
Delete a character (hold to delete more)	Press Delete 
Delete the current line	Press Alternate  + Delete 
Jump to the beginning/end of a line	Press Alternate  + Scroll 
Start a new line (email)	Press Return 

To change text entry settings, change languages, and see the dictionary of terms you've used, from the home screen, press Menu  > **Settings** > **Language & keyboard**.

Touchscreen keypad

When your phone is closed, you can open a display keypad by tapping a text field. To close the keypad, press Back .



Symbols/Numbers

Tap to open a keypad for symbols and numbers.

Note: You must set **Orientation** to on to use this feature—press Menu  > **Settings** > **Sound & display** > **Orientation**.

To change your settings for this keypad, from the home screen, press Menu  > **Settings** > **Language & keyboard** > **Android keyboard**.

Text entry settings

When you use the touchscreen keypad, your phone suggests words from your dictionary and chosen













language. Your phone also automatically enters apostrophes in some words, like “dont.”

Find it: Menu  > **Settings** > **Language & keyboard**

- To change the language and the style for your touchscreen keypad, tap **Select locale**.
- To edit your dictionary, tap **User dictionary**.
- To change the sounds, corrections, and other settings for your touchscreen keypad, tap **Android keyboard**.
- To change the automatic correction settings for your full keypad, tap **Device keyboard**.





Tips & tricks

a few handy hints

To...	
Return to home screen	Press Home  .
See recently dialed numbers	Tap  Phone > Call log .
Sleep/wake your phone	Press Power  .
Set screen timeout	Press Menu  > Settings > Sound & display > Screen timeout .
Search	Press Search  .
Show last few apps used	Press and hold Home  .
Turn sound on/off	Press and hold Power  > Silent mode .
Turn airplane mode on/off	Press and hold Power  > Airplane mode .
Go to the top of a list	Press and hold Alternate  (ALT) > Scroll  up.
Go to the bottom of a list	Press and hold Alternate  (ALT) > Scroll  down.

Battery tips

Want to extend your battery life? Try these:

- Turn off automatic applications sync: Menu  > **Settings** > **Accounts & sync**
- Turn off Bluetooth power: Menu  > **Settings** > **Wireless & networks** > **Bluetooth**
- Turn off Wi-Fi: Menu  > **Settings** > **Wireless & networks** > **Wi-Fi**
- Add a **Power Control** widget: Menu  > **Add** > **Widgets** > **Power Control**

Note: The **Power Control** widget is a simple way to enable/disable Wi-Fi, Bluetooth™ wireless, GPS, Sync (turns on/off all active accounts, Google, Exchange, and Facebook), and display brightness.

Personalize

add your personal touch

Widgets

To create a new widget:

- 1 Find an empty spot on your home screen where you want to add a widget, then tap and hold.
Tip: You can flick left or right to open other panels on your home screen.
- 2 Tap **Widgets**.
- 3 Tap the type of widget. If necessary, enter the widget settings.

You can personalize widgets with content that you choose.

Ringtone

To personalize your ringtones:

Find it: Menu  > **Settings** > **Sound & display** > **Phone ringtone** or **Notification ringtone**

To set your vibrate options:




Find it: Menu  > **Settings** > **Sound & display** > **Phone vibrate**

Wallpaper

To apply a new wallpaper:

- 1 Find an empty spot on your home screen, then tap and hold.
- 2 Tap **Wallpapers**.
- 3 Tap **Media gallery** to select a photo as your wallpaper, or tap **Wallpaper gallery** to choose a wallpaper that comes with your phone.

Sounds

features
set volume for media and videos
Menu  > Settings > Sound & display > Media volume
play tones when using dial pad
Menu  > Settings > Sound & display > Audible touch tones
play sound on screen selection
Menu  > Settings > Sound & display > Audible selection

Display settings

features
set display brightness
Menu  > Settings > Sound & display > Brightness

features

set orientation



Menu  > **Settings** > **Sound & display** > **Orientation**

set animation

Menu  > **Settings** > **Sound & display** > **Animation**

Quick launch shortcuts

To set keyboard shortcuts to launch your favorite app, press Menu  > **Settings** > **Applications** > **Quick launch** > **Assign application**.

To use a quick launch shortcut, press Search  and the assigned key, like Search  and **B** to launch the browser.


Date & time

Set date, time, time zone, and formats:

Find it: Menu  > **Settings** > **Date & time**

Language & region

Set your menu language and region:

Find it: Menu  > **Settings** > **Language & keyboard** > **Select locale**

Photos & videos


see it, capture it, share it!

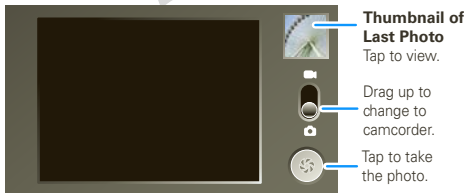
Photos

Take & share photos



Take that family photo, and post it online for everyone to see.

Note: To get the clearest photos, wipe the lens clean with a soft, dry cloth before you capture a photo.

Find it: Press Camera 



Note: Photos are stored on your microSD memory card. **Picture Resolution** is 5MP, unless you change it.

To take the photo, tap and hold . Or, press Camera  to take the photo.

A thumbnail of the photo you've just taken is shown on the right. Tap the thumbnail to view it.

- To **set** the photo as a wallpaper or contact photo, tap Menu  > **Set as**.
- To **send** the photo in a message or post it online, tap Menu  > **Share**. For more info on sharing your photos, see "Share your photo gallery" on page 33.
- To **delete** the photo, tap Menu  > **Delete**.
- For more options, press Menu  > **More**.

Photo options

In the viewfinder, press Menu  > **Settings** to open the camera menu:

options	
Store location	Save the details of where the photo was taken.
Scene mode	Set the scene, from loads of options.
Flash mode	Choose from Automatic , On , and Off .
White balance	Choose from Daylight , Cloudy , and more.
Color effect	Choose from Sepia , Blue tint , and more.

options

Picture size	Set the size of your photo.
Picture quality	Choose from Fine , Super fine , and Normal .
Focus mode	Choose from Auto , Infinity , and Macro .





View your photos


Find it: Home  >  >  **Gallery** > **Camera pictures**



Thumbnail
Tap to view photo.

Play a slideshow

Press Home  >  >  **Gallery** > **Camera pictures**, tap a picture, then press Menu  > **More** > **Slideshow** to start a slideshow. To stop the

slideshow, tap the display. To return to the gallery, press Back .

Share your photo gallery

Find it: Home  >  >  **Gallery** > **Camera pictures**

To send your photo in a message or post it online:


- 1 Tap and hold a photo, then tap **Share**.
- 2 Choose how you want to share—like **Bluetooth**, **Email**, or **Messaging**.

Manage your photos

Find it: Home  >  >  **Gallery** > **Camera pictures**

Tap and hold a photo, then:

- To delete the photo, tap **Delete**.
- To set the photo as a contact picture or wallpaper, tap **Set as**.
- To tag the photo, tap **Tag**.

Tip: To automatically assign your tagged photos to your contact names, press Menu  > **Settings** > **Tag with contacts**.

Tip: To copy photos to/from a computer, go to “USB drag & drop” on page 41.

Edit your photos

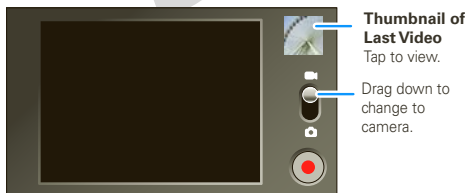
Press Home  >  >  **Gallery** > **Camera pictures**, tap & hold *picture*, then tap and hold **Rotate**, **Delete**, or **Crop**.

Videos





Record & share videos


Press Home  > **Camera**, then drag the switch up.


Note: To get the clearest photos, wipe the lens clean with a soft, dry cloth before you capture a photo.



Tip: To send your video in a message, set the video quality to **Low (for MMS messages)** by pressing Menu  > **Settings** > **Video Quality**.

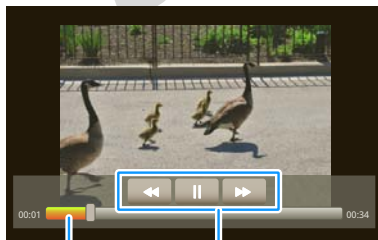
To record the video, tap . Tap  to stop the video. Or, press Camera . To stop the video recording, press Camera  again.

A thumbnail of the video you've just taken is shown on the right. Tap the thumbnail, then press Menu :

- To **send** the video in a message or post it online, tap **Share**. For more info on sharing your photos, see “Share your photo gallery” on page 33.
- To **play** the video, tap .
- To **delete** the video, tap **Delete**.

Play your videos

Find it: Home  >  >  **Gallery** > **Camera videos** > *video* > **Play**



Progress Bar

Video Controls

Note: To see the controls while the video is playing, tap the display.

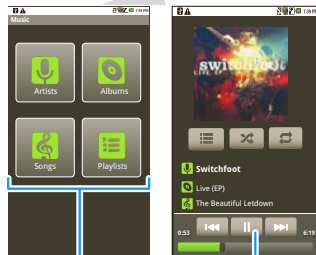
Music

when music is what you need...

Quick start: Music

Tap, tap, play—instant music. Just open your music library, then select what you want to play.


Find it: Home  >  >  **Music**



Categories

Tap a category, then tap a song or playlist.

Music Controls

Tip: When a song is playing, you can add it to a playlist by pressing Menu  > **Add to playlist**.

Set up music

What music transfer tools do I need?

To put music on your computer and then load it on your phone, you need:

- A Microsoft™ Windows™ PC or Apple™ Macintosh™
- A USB data cable.

You need a memory card

Your music is stored on your memory card. Your phone supports removable microSD memory cards up to 32 GB capacity. To make sure your memory card is installed, go to “Assemble & charge” on page 3.

Tip: To see the available memory on your memory card, press Menu  > **Settings** > **SD card & phone storage**.

What music file formats can I play?

Your phone can play many types of files: MP3, M4A, AAC, ACC+, MIDI, and WAV.

Note: Your phone does not support any DRM protected files.

What headphones can I use?


Your phone has a 3.5mm headset jack for wired stereo listening. You can go wireless with Bluetooth™ stereo

headphones or speakers (see “Bluetooth™ wireless” on page 38).

Get music

Transfer music using USB

Transfer music files from a computer to your memory card.

- 1 With a memory card inserted, and your phone showing the home screen, connect a Motorola micro USB data cable from your phone’s micro USB port to a USB port on your computer. Your phone should show  in the status bar.

Note: You may need to remove the USB data cable from the charger power head.

Note: Make sure to connect the phone to a high power USB port. Typically, these are located directly on your computer.

Note: Your phone supports Microsoft™ Windows™ XP, Windows Vista™, and Apple™ Macintosh™. Other operating systems may not be compatible.

- 2 Your phone shows a USB connection dialog, at the top of the screen. Flick down, then tap **USB connection**. You can’t use the files on your memory card while it is connected.
- 3 Tap **Mount** (if asked) to connect your memory card.

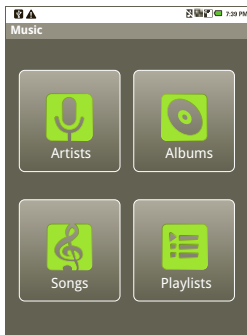
- 4 Find "Removable Device" (your memory card) in the "My Computer" window.
- 5 Drag and drop your music to a folder on your memory card.
Tip: To help manage your music, create a "Music" folder on your memory card.
- 6 When you're done, use the "Safely Remove Hardware" feature to finish.

Play music

Music library


Open your music library, then select what you want to play.

Find it: Home  >  **Music**



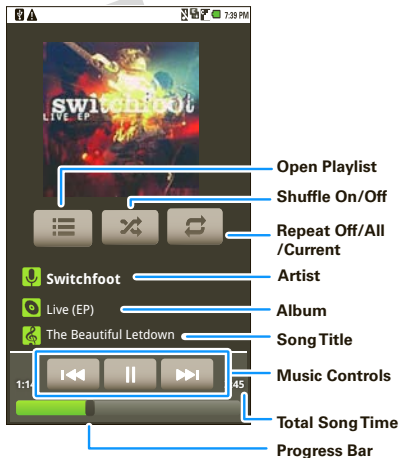
Categories

Tap to list songs or playlists.

Your music is stored by artists, albums, songs, and playlists. Tap a category, then tap the song or playlist you want to play. Press Menu  > **Party shuffle** to randomly play all your songs.

Music player

Just tap a song or playlist to get going.




Music player controls


controls	
play/pause	Tap .

controls	
previous/next	Tap .
fast forward/rewind	Tap and hold .
view playlist	Tap .
shuffle	Tap .
repeat	Tap .
volume	Press the side volume keys.
view library	Press Menu > Library .
turn shuffle on/off	Press Menu > Party shuffle .
add to playlist	Press Menu > Add to playlist .
use as ringtone	Press Menu > Use as ringtone .
delete	Press Menu > Delete .

Hide, wake, turn off

Press Home to use another app. Your music continues to play.

When you see  in the status bar a song is playing, flick down to see details. Tap the song to return to the music controls.

To turn off your music tap .

Playlists

To add a song from the music library to a playlist, tap and hold the song then tap **Add to playlist**. Choose an existing playlist, or tap **New** to create a new playlist.

To add a song to the playlist you're playing, press Menu  > **Add to playlist** in the music player.

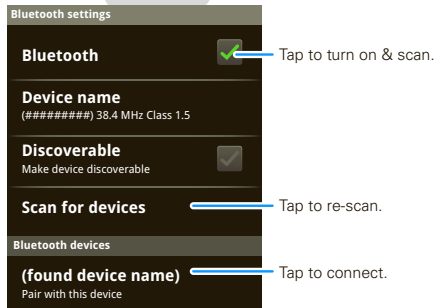
To edit, delete and rename playlists, tap and hold the playlist, in the music library.

Bluetooth™ wireless


lose the wires and go wireless

Quick start: Bluetooth wireless

Find it: Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings**



Turn Bluetooth power on or off

Find it: Press Menu  > **Settings** > **Wireless & networks** > **Bluetooth**.

Note: To extend battery life, turn Bluetooth power off when not in use.



Connect new devices

Note: This feature requires an optional accessory.

To connect with a new device, you need to pair with it. You only need to do this once for each device—to connect again, see “Reconnect devices” on page 39.

- 1 Make sure the device you are pairing with is in discoverable mode.

Note: Refer to the guide that came with the device for details.

- 2 Press Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings**.
- 3 Tap **Bluetooth** to turn on and scan. If Bluetooth is already on, tap **Scan for devices**.
- 4 Tap a device to connect.
- 5 If necessary, tap **OK**, or enter the device passkey (like **0000**) to connect to the device. When the device is connected, the Bluetooth indicator  appears in the status bar.

Note: Using a mobile device or accessory while driving may cause distraction and may be illegal. Always obey the laws and drive safely.

Reconnect devices

To automatically reconnect your phone with a paired device, simply turn on the device.

To manually reconnect your phone with a paired device, tap the device name in the **Bluetooth devices** list.

Disconnect devices

To automatically disconnect your phone from a paired device, simply turn off the device.

To manually disconnect your phone from a paired device, tap the device name in the devices list, then press Menu  > **Disconnect**.

Edit properties

To edit the device name, press Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings** > **Device name**. Enter a name and tap **OK**.

Wi-Fi

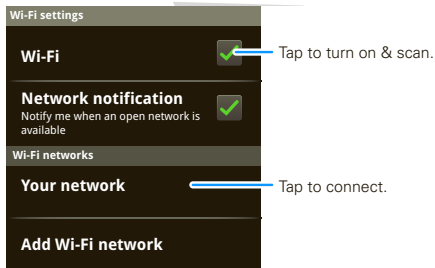
home, office, or hotspot

Quick start: Wi-Fi

Find it: Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings**

Note: Your phone's Wi-Fi features and power levels are not allowed for outdoor operation in France. To avoid unlawful interference with radio signals, do not use the Wi-Fi features in France unless you are indoors.

Use a wireless network for fast Internet access and to download data.





Turn Wi-Fi on or off

Find it: Menu  > **Settings** > **Wireless & networks** > **Wi-Fi**.


Note: To extend battery life, turn off Wi-Fi power when not in use.

Wi-Fi search & connect

To find networks in your range:

- 1 Press Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings**.
- 2 Tap **Wi-Fi** to turn on and scan. If Wi-Fi is already on, press Menu  > **Scan**. Your phone lists the networks it finds within range.

Tip: To see your phone's MAC address or other Wi-Fi details, press Menu  > **Advanced**.

- 3 Tap a network to connect.
- 4 If necessary, enter **Network SSID**, **Security**, and **Wireless password**, and tap **Connect**. When your phone is connected to the network, the wireless indicator  appears in the status bar.


Tip: When you are in range and Wi-Fi is on, you will automatically reconnect to available networks you've connected to before.

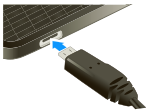
USB & memory card

connect your phone and computer, then drag & drop

USB drag & drop

You can transfer your pictures, videos, music, ringtones, and more, from your computer to your phone's memory card.

- 1 With a memory card inserted, and your phone showing the home screen, connect a Motorola micro USB data cable from your phone's micro USB port to a USB port on your computer. Your phone should show  in the status bar.



Note: You may need to remove the USB data cable from the charger power head.

Note: Make sure to connect the phone to a high power USB port. Typically, these are located directly on your computer.


- 2 Your phone shows a USB connection dialog, at the top of the screen. Flick down, then tap **USB connection**. You can't use the files on your memory card while it is connected.
- 3 Tap **Mount** (if asked) to connect your memory card.
- 4 On your computer, use the "My Computer" window to find "Removable Disk":

- 5 Click on the "Removable Disk" icon to access the memory card.
- 6 Drag and drop your pictures, videos, music, ringtones, and more, to your phone folder. To help manage your files, you can create more folders in your phone folder.
- 7 When you're done, use the "Safely Remove Hardware" feature to finish.

Memory card

Note: You need the memory card installed for some features on your phone, like **Camera**.

Remove or format your memory card

Before you remove or format your memory card you need to unmount it. Press Menu  > **Settings** > **SD card & phone storage** > **Unmount SD card**.

To format your memory card, tap **Format SD card**.

Warning: All data on your memory card will be deleted.

Tools


stay on top of things

Alarm clock

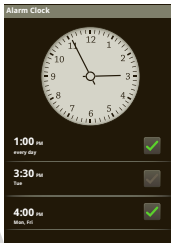
Find it: Home  >  >  **Alarm Clock**

To turn on an alarm, tap the check box.

When an alarm sounds, tap **Dismiss** to turn it off or **Snooze** to delay.



To add an alarm, press Menu  > **Add alarm**, then enter alarm details.

To enable or disable an alarm, tap the check box.



Calculator

Find it: Home  >  >  **Calculator**

Your calculator has basic and advanced views. To change views, press Menu  > **Advanced panel** or **Basic panel**. To clear history, press Menu  > **Clear history**.

Management

stay in control

Manage media content


Manage, sync, & backup phone content

Motorola Media Link (MML) and Moto Phone Portal bridge your digital world by connecting your phone, computer, and the Web, so you can manage the media on your phone and back up your media to your computer. The Moto Phone Portal lets you access your phone from any Wi-Fi-enabled computer. You can edit, customize, and back up contacts, and share your phone's content, all while you're on the go.

To install MML, use the CD that came with your phone. When you insert the CD into your computer, an installation wizard automatically begins, guiding you through the quick and easy installation. When installation is complete, the MML icon appears on your computer's desktop.

To use MML:

- 1 With a memory card inserted in your phone, and your phone showing the home screen, connect a Motorola micro USB data cable from your phone's

micro USB port to a USB port on your computer. Your phone should show  in the status bar.



Note: Make sure to connect the phone to a high power USB port. Typically, these are located directly on you computer.

- 2 When you see the MML screen, select the appropriate tab to manage **Photos, Videos, or Music**.

Safeguard your phone's important information by using the Synch button, or simply drag and drop content from your phone to you computer. For more information on MML features and support, visit <http://www.motorola.com/medialink>.

Moto Phone Portal

The Moto Phone Portal is a phone-resident application that allows you to use a browser on a Wi-Fi-enabled computer as a window into your phone. To use Moto Phone Portal, you must connect your phone to the Wi-Fi network that your computer uses (see page 4).

Once your phone is connected to the Wi-Fi network, press Home  >  > **Phone Tools > Wi-Fi enable computer > WiFi enabled** and follow the onscreen instructions. On your Wi-Fi-enabled computer, enter the URL provided by the Moto Phone Portal.

Wireless manager


Find it: Menu  > **Settings > Wireless & networks**

Manage all your wireless connections: Wi-Fi, Bluetooth™, airplane mode, & mobile networks.

Airplane mode


Use airplane mode to turn all your wireless connections off—useful when flying.

Update my phone

To keep your phone current, software updates may be available. Press Menu  > **Settings > About phone > System updates** to see if your phone is up to date. If it isn't, tap **Update**.

Network

You should not need to change any network settings. Contact your service provider for help.

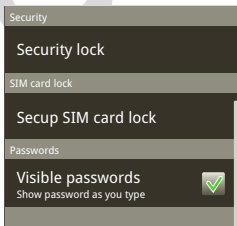
Press Menu  > **Settings > Wireless & networks > Mobile networks** to show options for roaming networks, network selection, operator selection, and access point names.

Security

help keep your phone safe

Quick start: Security


Find it: Menu  > **Settings** > **Location & security**




Screen lock


Note: You can make emergency calls on a locked phone (see “Emergency calls” on page 11). A locked phone still rings, **but you need to unlock it to answer.**

Lock the screen in the following ways:

- Press Power .
- Let the screen time out (don't press anything).
- Switch the power off.

To unlock the screen, press Power , or open the phone. Then, drag [need icon here] to the right.


Set unlock pattern

To set an unlock pattern, that you need to draw to unlock your screen, press Menu  > **Settings** > **Location & security** > **Set unlock pattern**, then follow the instructions to draw your pattern.

To turn the lock off, press Menu  > **Settings** > **Location & security** > **Require pattern**.


To change the lock pattern, press Menu  > **Settings** > **Location & security** > **Change unlock pattern**.

Lock your SIM

To lock your SIM (the next time you power up the phone you will need to enter your SIM PIN), press Menu  > **Settings** > **Location & security** > **Set up SIM card lock** > **Lock SIM card**. Enter your SIM PIN code.

Caution: If you enter an incorrect PIN code three times, your phone locks your SIM card and asks for your PIN unlock code.

Change SIM PIN

To change your SIM PIN, press Menu  > **Settings** > **Location & security** > **Set up SIM card lock** > **Change SIM PIN**.

PUK code

To unlock your SIM PIN, you need to enter your PIN unlock code (PUK code) when prompted.

Note: Your PUK code is provided by your service provider.

Forgot your pattern or passcode?

If you forget your pattern or passcode, see your service provider.


Troubleshooting

we're here to help

Crash recovery

In the unlikely event that your phone stops responding to taps and key presses, try a quick reset. Remove the back cover and battery ("Assemble & charge" on page 3), then replace and switch your phone on as usual.

Reset

To reset your phone to factory settings and erase all the data on your phone, press Menu  > **Settings** > **Privacy** > **Factory data reset** > **Reset phone**.

Warning: All data on your phone will be deleted.

Service & repairs

If you have questions or need assistance, 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).

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.rbrg.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 Charging

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.

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 0.98 W/kg, and when worn on the body, as described in this user guide, is 0.74 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.

other countries preserve for Motorola and third-party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in Motorola products may not be modified, reverse-engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of Motorola products shall not be deemed to grant either directly or by implication, estoppel, or otherwise, any license under the copyrights, patents, or patent applications of Motorola or any third-party software provider, except for the normal, non-exclusive, royalty-free license to use that arises by operation of law in the sale of a product.

Content Copyright

The unauthorized copying of copyrighted materials is contrary to the provisions of the Copyright Laws of the United States and other countries. This device is intended solely for copying non-copyrighted materials, materials in which you own the copyright, or materials which you are authorized or legally permitted to copy. If you are uncertain about your right to copy any material, please contact your legal advisor.

Open Source Software Information

For instructions on how to obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, you may send your request in writing to the address below. Please make sure that the request includes the model number and the software version number.

MOTOROLA, INC.
OSS Management
600 North US Hwy 45
Libertyville, IL 60048
USA

The Motorola website opensource.motorola.com also contains information regarding Motorola's use of open source.

Motorola has created the opensource.motorola.com website to serve as a portal for interaction with the software community-at-large.

To view additional information regarding licenses, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please press Menu Key > **Settings** > **About Phone** > **Legal information** > **Open source licenses**. In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

GPS & AGPS

Your mobile device can use *Global Positioning System* (GPS) signals for location-based applications. GPS uses satellites controlled by the U.S. government that are subject to changes implemented in accordance with the Department of Defense policy and the Federal Radio Navigation Plan. These changes may affect the performance of location technology on your mobile device.

Your mobile device can also use *Assisted Global Positioning System* (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions) such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.

Emergency Calls

When you make an emergency call, the cellular network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the phone for as long as the emergency responder instructs you.

Performance Tips

- Go outside and away from underground locations, covered vehicles, structures with metal or concrete roofs, tall buildings, and foliage. Indoor performance might improve if you move closer to windows, but some window sun shielding films can block satellite signals.
- Move away from radios, entertainment equipment, and other electronic devices.

Safety & 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 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, 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

Using a mobile device while driving may cause distraction. End a call if you can't concentrate on driving. Input information about your destination and route prior to your drive. Do not input data or engage in text messaging while driving. Keep your

eyes on the road while driving. Listen to the audible turn-by-turn directions, if available.

Also, using a mobile device or accessory 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 at www.motorola.com/callsmart (in English only).

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.





Batteries & Chargers

Caution: Improper treatment or use of batteries may present a danger of fire, explosion, leakage, or other hazard. For more information, see "Battery Use & Safety."

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.

Symbol	Definition
	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.

Keep Your Mobile Device & Its Accessories Away From Small Children

These products are not toys and may be hazardous to small 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.

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.

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.

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 direct.motorola.com/hellomoto/nss/AcousticSafety.asp (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.

[Apr0109]

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.

Use & 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.

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>

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 & Accessories

Please do not dispose of mobile devices or electrical accessories such as chargers, headsets, or batteries with your household waste. Do not dispose of your battery or mobile device in a fire. 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 & Product Guide

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

Privacy & 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 instructions on how to delete all personal information from your device, see your product 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."

- **Location-based information**—Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that

require location-based information (e.g. driving directions) such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.

- **Other information your device may transmit**—Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola.

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.
- **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.



TM

- **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.
- **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 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.
- **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 (wherever wireless phone service is available).
- **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 (wherever wireless phone service is available), 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).

Motorola, Inc.
Consumer Advocacy Office
600 N US Hwy 45
Libertyville, IL 60048

<http://www.hellomoto.com>

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 guide, are based upon the latest available information and 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.

U.S. patent Re. 34,976