

Options

Multi-shot

Take several shots in rapid succession when you touch and hold .

TAG PHOTOS

Tag your photos so you can group them in different folders.

To create a tag:

- 1 In the viewfinder, touch Menu  > **Tags** > **Active Custom Tags**.
- 2 Enter a tag name under **Edit custom tags**, touch **Done**, then touch **Done** again.
- 3 If necessary, activate the tag you created by touching **Custom Tags**. (A check box on the right turns green when activated.)
- 4 Touch Back  to return to the camera viewfinder.

The tag you created will be applied to any photo you take, until you deactivate the tag.

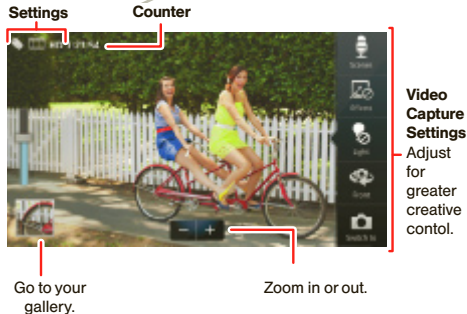
Note: To add a location tag to your photo, touch Menu  > **Settings** > **Location & security** and select a location service to turn on.

VIDEOS

RECORD & SHARE VIDEOS

Find it:  >  **Camcorder**

Note: To get the clearest videos, wipe the lens clean with a soft, dry cloth before you record a video.



To record a video, touch . Touch  to stop the recording.

Open your gallery and touch and hold a video to view options.

Options	
Play	To play the video, touch ►.
Upload	To upload the video to an online album, touch  .
Share	To send the video in a message or post it online, touch  . For more info on sharing your video, see " SHARE PHOTOS & VIDEOS " on page 28.
Delete	To delete the video, press Menu  > Delete .

HD VIDEOS

You can capture HD-quality videos to watch on an HDTV or monitor.

To record an HD quality video, be sure to select the correct **Video resolution**. From the active camcorder viewfinder, touch Menu  > **Settings** > **Video resolution** > **High Definition (720p)**.

To enhance the video quality, touch **Scenes** or **Effects** on the right side of the camcorder viewfinder. (You may need to touch the screen to see these options.)

VIDEO OPTIONS

You can make adjustments to optimize your video. Touch one of the buttons on the right side of the viewfinder to make changes (you may need to touch the screen to make the buttons appear).

Options	
Scenes	Adjust for better audio capture in different environments: Everyday , Outdoors , Concert , Narrative , or Subject .
Effects	Change video look: Normal , Black and White , Negative , and more.
Light	Turn a light on or off to adjust for the lighting where you are recording.
Front/Back	Switch between the forward facing and rear facing cameras.
Switch to	Toggle between camcorder and camera.

CAMCORDER SETTINGS

In the viewfinder, touch Menu  > **Settings** to open the camcorder menu and adjust settings like **Video Resolution**, **Focus Options**, and more.

VIEW PHOTOS & VIDEOS

Find it:  > >  **Gallery**



View your captured photos & videos.

See your online albums (like Picasa, Flickr, or Facebook).

See media from DNLA Connected devices on your Wi-Fi network.

Go to your friends' online albums.

Sort your photos & videos.

SHARE PHOTOS & VIDEOS

Find it:  >  **Gallery**

- 1 Touch a photo or video, then touch .
- 2 Choose how you want to share—like **Bluetooth**, **Email**, **Text Messaging**, or an online album.

MANAGE PHOTOS & VIDEOS

Find it:  >  **Gallery**

Touch a thumbnail image from your camera roll or library, then:

- To delete the photo or video, touch Menu  > **Delete**.
- To set the photo as a contact picture, social network profile picture, or wallpaper, touch Menu  > **Set as**.

Tip: To copy photos to/from a computer, go to “**VIEW & TRANSFER FILES**” on page 47.

EDIT PHOTOS & VIDEOS

Find it:  >  **Gallery** > **Camera roll**, select a picture, and press Menu  > **Edit**

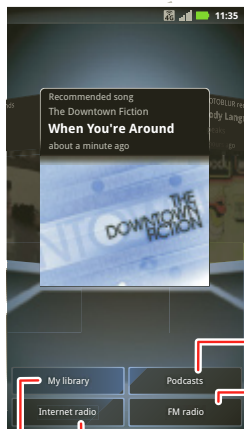
You can choose advanced editing features to resize, crop, or change the color.

MUSIC

when music is what you need...

QUICK START: MUSIC

Find it:  >  Music



Listen to and download podcasts.

Listen to FM Radio.

Listen to Internet radio.

Music stored on your phone.

Touch a category, then touch the song or playlist you want to play. Touch Menu  > **Party shuffle** to randomly play all your songs, or touch **Search** to find a song.

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

Tip: To listen to music during a flight, turn off all your network and wireless connections: Press and hold Power/Lock  then touch **Airplane mode**.

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:

- Microsoft™ Windows™ computer or Apple™ Macintosh™.
- USB data cable (included with your phone).
- Optional microSD memory card (sold separately).

Your phone supports removable microSD memory cards up to 32GB 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, touch  >  **Settings** > **Storage**.

WHAT AUDIO FILE FORMATS CAN I PLAY?

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

WHAT HEADPHONES CAN I USE?

Your phone has a 3.5mm headset jack for wired stereo listening (required for FM radio). You can also go wireless with Bluetooth™ stereo headphones or speakers (see “**BLUETOOTH™ WIRELESS**” on page 43).

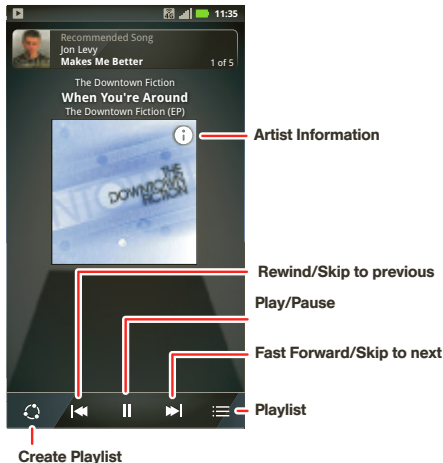
GET MUSIC

Transfer music from your computer to your phone using a USB cable connection. See “**VIEW & TRANSFER FILES**” on page 47 to learn how.

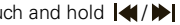
Note: Copyright—do you have the right? Always follow the rules. See “Content Copyright” in your legal and safety information.

PLAY MUSIC

Touch a song or playlist to start playing music.



MUSIC PLAYER CONTROLS

To...	
Play/pause	Touch  .
Select previous/next song	Touch  .
Fast forward/rewind	Touch and hold  .
Create playlist	Touch  .
View playlist	Touch  .
Shuffle	Touch  .
Repeat	Touch  .
Adjust volume	Press side volume keys.
Manage speakers	Press Menu  > More > Settings > Audio effects .
Add to playlist	Press Menu  > More > Add to playlist .
Set as ringtone	Press Menu  > More > Use as ringtone .
Delete	Press Menu  > More > Delete .

HIDE, WAKE, TURN OFF

Touch 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. Touch the song to return to the music controls.

To turn off your music, touch  .

PLAYLISTS

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

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

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

PODCASTS

Find it:  >  **Music** > **Podcasts**

LISTEN TO PODCASTS

- 1 Select a category, and select a podcast or search through subcategories to find the podcast you want.
- 2 To play a podcast episode, touch it.

SUBSCRIBE TO A PODCAST

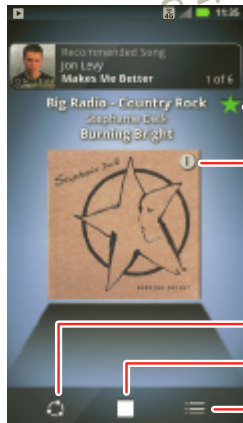
To subscribe to a podcast, touch it to open it, and touch the star in the upper right corner.

DOWNLOAD A PODCAST EPISODE

To download a podcast episode, open it, and press Menu  > **Download**.

INTERNET RADIO

Find it:  >  **Music** > **Internet radio**



Add to Favorites

Artist Information

Create Playlist

Play/Pause

Favorites

LISTEN TO A STATION

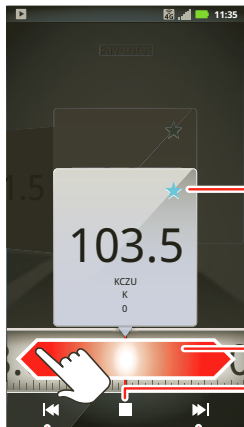
- 1 Select a category, and select a station or search through subcategories to find the station you want.
- 2 To begin listening to a station, touch it.

FAVORITE STATIONS

To add a station to **Favorite stations**, touch a station to open it, then touch the star in the upper right screen corner.

FM RADIO

Find it:  >  **Music > FM radio**



Touch star to add station to favorites.

Drag finger across dial to tune station.

Play/Stop Radio

Seek Previous/Next

Note: You need to connect a wired headset to your phone to use the FM radio. The wires in your headset act as the antenna. For best performance, use a Motorola Original headset. Indoor reception may vary.

FIND A STATION

To tune into a station, drag your finger across the dial.

STATION PRESETS

The first time you use the FM radio, your phone will prompt you to scan for radio stations. All stations found are added to your presets.

To add a station to your presets, touch the star in the upper right corner of the station listing.

SOCIAL NETWORKING

my life, your life

YOUR SOCIAL NETWORKING ACCOUNT

Integrate and sync all your contacts, emails, and social networking sites. No opening and closing apps and menus. Just touch the **Social Networking** and **Social Status** widgets on your home screen.

Tip: Use the gallery to view all of yours and your friends' online albums. Touch  >  **Gallery**.

ADD ACCOUNTS

You can add your **Facebook**, **MySpace**, **Twitter**, or other accounts. If you don't have accounts on these sites, visit their web sites to set them up.

To set up email accounts, see "**SET UP MESSAGING**" on page 18.

Find it:  >  **Accounts** > **Add account**

Add an account by touching it. Then enter your user name and password for that account.

When you sign into social networking accounts, you'll see your friends and contacts in your **Contacts** list, and your status and updates can appear in your **Social Networking** widget.

Twitter and MySpace messages will appear as "read" on your phone, but your phone notifies you when you receive a new message. MySpace marks your messages as "read" online.

Tip: To download updates faster, use "**Wi-Fi**" on page 44.

EDIT & DELETE ACCOUNTS

Find it:  >  **Accounts**

Touch and hold an account, then touch **Open account** to edit it, or touch **Remove account** to remove it (along with its contacts and messages).

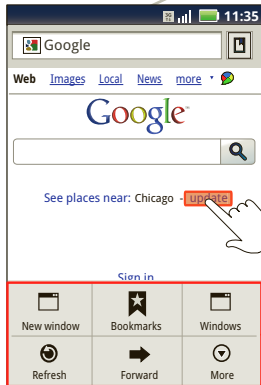
Note: You can't delete the Google™ account you used or created when you set up your phone.

WEB

surf the web with your phone

QUICK START: BROWSER

Find it:  **Browser**



Touch a link to select it. Touch and hold for more options.

Touch  for options.

Tip: To zoom, touch the display with two fingers, then move them apart.

CONNECT

Your phone uses the mobile phone network (over the air) or a Wi-Fi connection to automatically access the web.

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

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

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

PLAY WEB VIDEOS

The browser features the Adobe™ Flash™ Player, which adds animation, video, and interactivity to web pages. Touch  to begin video playback. Double-tap the video during playback to enlarge it for better viewing.

BROWSER OPTIONS

Touch Menu  to see browser options:

Options	
New Window	Open a new browser window.
Bookmarks	See your bookmarks.

Options	
Windows	View the browser windows that are currently open.
Refresh	Reload the current page.
Back/Forward	Go to previously viewed pages.
More	View additional browser options.

YOUTUBE™

Share videos with YouTube users everywhere. You don't need a YouTube account to browse and view videos.

Find it:  >  **YouTube**

Note: If you want a YouTube account, go to www.youtube.com. To create an account or sign in, touch Menu  > **My account**. To **Browse** or **Upload** videos, touch Menu .

PERSONALIZE

add your personal touch

WIDGETS

ADD WIDGETS

- 1 Touch and hold an empty spot on your home screen.

Tip: Flick left or right to open other panels.

- 2 Touch **Motorola widgets** or **Android widgets** and choose a widget.

SET UP WIDGETS

You can customize some widgets. Touch a widget to open it, then touch Menu .

Your home screen may already have these widgets:

- **Messages:** Change the widget name or choose how long it shows new messages. To add email accounts, “**SET UP MESSAGING**” on page 18.
- **Music:** Set this widget to an artist, album, song, playlist, or just touch Menu  > **Shuffle all**. There's more about “**MUSIC**” on page 29.
- **News:** Change the widget name, choose how long it shows new stories, or choose a news source. To choose a source, touch , then choose preset **Bundles** or **Channels**, or choose **Custom** to enter a URL for a **Webpage** or an **RSS feed**.

- **Weather:** Change temperature units or add locations. To add locations, touch , enter a city, and touch **Search**. When you open the weather widget, flick left to see other locations you added.

SHORTCUTS

To add shortcuts for apps, bookmarks, and more to the home screen, touch and hold an empty spot on the home screen, touch **Shortcuts**, and select a shortcut.

Tip: To change one of the docked shortcuts that always appears at the bottom of the home screen (no matter what panel you're viewing), touch and hold the shortcut, then drop it on top of one of the three hot seat spots.

WALLPAPER

Apply a new wallpaper:

- 1 Touch and hold an empty spot on your home screen.
- 2 Touch **Wallpapers**.
- 3 Touch **Gallery**, **Live wallpapers**, or **Wallpapers**, and choose a wallpaper.

RINGTONES

Personalize your ringtones:

Find it:  >  **Settings** > **Sound** > **Phone ringtone** or **Notification ringtone**

To set your vibrate options:

Find it:  >  **Settings** > **Sound** > **Vibrate**

To set a song as a ringtone:

Find it:  >  **Music** and play the song, then touch Menu  > **More** > **Use as ringtone**

SOUNDS

- To play dial pad tones, touch  >  **Settings** > **Sound** > **Audible touch tones**.
- To play sound on a screen selection, touch  >  **Settings** > **Sound** > **Audible selection**.
- To customize the sound settings for media and videos, touch  >  **Settings** > **Sound** > **Media audio effects**.

DISPLAY

- To set display brightness, touch  >  **Settings** > **Display** > **Brightness**.
- To set orientation, touch  >  **Settings** > **Display** > **Auto-rotate screen**.
- To set animation, touch  >  **Settings** > **Display** > **Animation**.

Note: Some apps are designed so that your phone can “animate” them by rotating, fading, moving, and stretching images.

DATE & TIME

Set date, time, time zone, and formats:

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

LANGUAGE & REGION

Set your menu language and region:

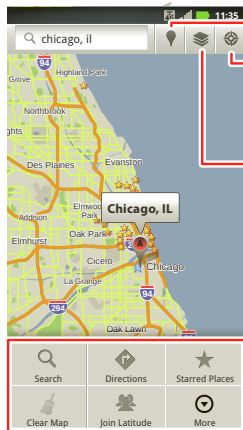
Find it:  >  **Settings > Language & keyboard**
> **Select locale**

LOCATION

toss away your maps

GOOGLE MAPS™

Find it:  >  **Maps**



Find places.

Center the map on your current location.

Change the view by adding layers.

Touch  for options.

Google Maps offers powerful, user-friendly mapping technology and local business information—including

business locations, contact information, and driving directions.

For help, touch Menu  > **More** > **Help**.

Tip: Want to know what's in your immediate area? Try Google Places™. Touch  >  **Places** to see **Restaurants**, **ATMs**, **Gas Stations**, and more nearby.

GOOGLE MAPS™ NAVIGATION

Google Maps Navigation is an Internet-connected GPS navigation system with voice guidance.

Find it:  >  **Navigation**



Follow the prompts to speak or type your destination.

For more, go to www.google.com/mobile/navigation.

GOOGLE LATITUDE™

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 Google Latitude, and then invite your friends to view your location or accept their invitations.

When using Google Maps, touch Menu  > **Latitude**. Read the privacy policy and if you agree with it, touch **Agree & Share**.

ADD & REMOVE FRIENDS

Find it:  >  **Latitude**

To add friends:

- 1 Touch .
- 2 Touch **Select from Contacts**, then touch a contact. Or, touch **Add via email address**, then enter an email address.
- 3 Touch **Yes**.

If your friends already use Google Latitude, they'll receive a notification. If they have not yet joined Google Latitude, they'll receive an email request that invites them to join.

To remove friends:

- 1 Touch Menu > **Latitude** to show your friend's list, then touch a friend in your list.
- 2 Touch **X**.

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

To hide your location from a friend, touch Menu > **Latitude** to show your friend's list. Touch your contact name, then touch Menu > **Edit privacy settings** > **Hide your location**.

TURN OFF GOOGLE LATITUDE

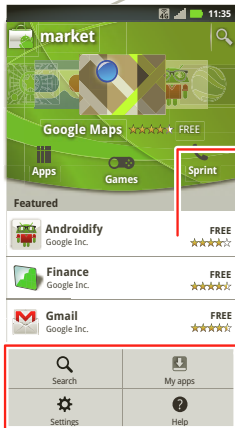
Touch Menu > **Latitude** to show your friend's list. Touch Menu > **Edit privacy settings** > **Turn off Latitude**.

APPS FOR ALL

get the app you want

ANDROID MARKET™

Find it: > Market



Touch an app to open its details or install it.

Touch for options.

Get all the fun games and cool apps you want! Android Market provides access to applications from developers worldwide, so you can find the app you

want. If you need help or have questions about Android Market, press Menu  > **Help**.

BROWSE & INSTALL APPS

Tip: Choose your apps and updates carefully, from trusted sites like  **Market**, as some may impact your phone's performance—see “**CHOOSE CAREFULLY**” on page 41.

Find it:  >  **Market**

Select a category or touch **Search** to find the app you want. Then, touch **Install** (if app is free) or **Buy**.

When installing an app, make sure you read the alerts that tell you what information the app will access. If you don't want the app to have access to this information, cancel the installation.

MANAGE & RESTORE APPS

Find it:  >  **Market** > **My apps**

There are lots of apps available and many are free. So you might find that you have downloaded and installed lots of apps on your phone. That's fine, but you may want to uninstall apps that you no longer use.

To uninstall touch an app in the list, and then touch **Uninstall**.

To restore an app, touch the app in the list. The **My apps** list shows previously installed apps.

For other app management features including clearing app data and cache, press Menu  > **Settings** > **Applications** > **Manage applications**, then touch an app in the list.

CHOOSE CAREFULLY

Apps are great. There's something for everyone. Play, communicate, work, or just for fun. But remember, choose your apps carefully. Here's a few tips to help:

- To help prevent spyware, phishing or viruses affecting your phone or privacy, use apps from trusted sites, like  **Market**.
- In **Market**, check the apps' ratings and comments before installing. This will help you choose the best ones for you.
- If you doubt the safety of an app, don't install it.
- Like all apps, downloaded apps will use up memory, data, battery, and processing power—some more than others. For example, simple settings widget will use less than a streaming music player app. After installing an app, if you're not happy with how much memory, data, battery or processing power it's using, uninstall it. You can always install it again later.

CONNECTIONS

unlock your phone's true potential

CONNECTION OPTIONS

The MOTOROLA ELECTRIFY has a dual core 1GHz processor, 1GB of RAM, and 16GB of internal memory.

You can share media over a DLNA wireless connection. Or:

- An optional **Lapdock™** opens the webtop application and includes a display, full keyboard, and touchpad.
- An optional **HD Station** opens the webtop application and lets you connect your HDMI display, keyboard, and mouse.

You can do more with other docks too:

- A **Standard Dock** shows an alarm and shortcuts you can set for each dock, plus it lets you connect headphones or speakers.
- A **Vehicle Dock** shows shortcuts you can set to maps, navigation, and Internet services like voice search and radio.

DIGITAL LIVING

connect and enjoy

Note: Copyright—do you have the right? Always follow the rules. See “Content Copyright” in your legal and safety information.

HD VIEWING

You can create your own HD videos (see “**HD VIDEOS**” on page 27) to view on your wide screen HDTV or monitor.

- 1 Adjust the viewable area on the HDMI screen by touching  >  **Settings** > **HDMI**.
- 2 Connect an HDMI cable (sold separately) from the HDMI port on your phone (see “**YOUR PHONE**” on page 2) to an HDMI port on the TV monitor.

MIRROR MODE

Connect your phone to your TV, monitor, or projector so you can view and interact with your phone on the big screen. Show off your photos, videos, and downloaded movies. Enjoy the big screen for gaming, movies, the web, and more. Just attach an HDMI cable (sold separately) to your phone and plug it into your big screen.

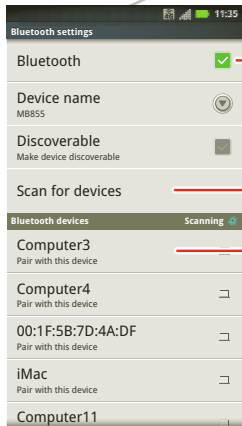
Note: You cannot play DRM-protected files in mirror mode.

BLUETOOTH™ WIRELESS

lose the wires

QUICK START: BLUETOOTH WIRELESS

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



Touch to turn on & scan.

Touch to re-scan.

Touch to connect.

TURN BLUETOOTH POWER ON OR OFF

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

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

Tip: Turn off Bluetooth power to extend battery life or stop connections. To add a quick switch, touch and hold a blank spot on your home screen, then touch **Motorola Widgets** > **Bluetooth Toggle**.



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, just turn on the device.

- 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 Touch  >  **Settings** > **Wireless & networks** > **Bluetooth settings**.
- 3 Touch **Bluetooth** to turn on and scan. If Bluetooth power is already on, touch **Scan for devices**.

- 4 Touch a device to connect.
- 5 If necessary, touch **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, touch the device name in the **Bluetooth devices** list.

CHANGE DEVICE NAME

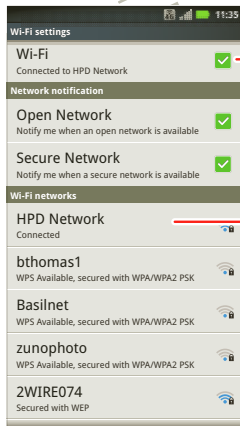
Touch  >  **Settings** > **Wireless & networks** > **Bluetooth settings** > **Device name**. Enter a name and touch **OK**.

WI-FI

home, office, or hotspot

QUICK START: WI-FI

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



Touch to turn on & scan.

Touch to connect.

TURN WI-FI ON OR OFF

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

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

Tip: Turn off Wi-Fi power to extend battery life or stop connections.

Turn it off and on to search for networks. To add a quick switch, touch and hold a blank spot on your home screen, then touch **Motorola Widgets** > **WiFi Toggle**.



WI-FI SEARCH & CONNECT

To find networks in your range:

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

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

- 3 Touch a network to connect.
- 4 If necessary, enter **Network SSID**, **Security**, and **Wireless password**, and touch **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.

WI-FI HOTSPOT

Note: You need to subscribe to Wi-Fi hotspot service to use this feature. Contact your service provider.

You can set up your phone as a Wi-Fi hotspot to provide portable, convenient internet access to other Wi-Fi enabled devices.

ACTIVATE HOTSPOT

Find it:  >  **Mobile Hotspot** > **Mobile Hotspot**

When your Wi-Fi hotspot is active, other Wi-Fi enabled devices can connect by entering your hotspot's **SSID**, selecting a **Security** type, and entering the correct **Wireless password**.

SETUP

Note: Risks can be associated with connecting to the public internet. It is highly recommended that you take steps to protect your computer from unauthorized access. To add encryption to your Wi-Fi hotspot:

Find it:  >  **Mobile Hotspot > Configure Mobile Hotspot**

Touch a setting to modify it:

- **Network SSID**—Enter a unique name for your hotspot and touch **Next**.
- **Security**—Select the type of security you want, and touch **Save: WEP, WPA, or WPA2**. Enter a unique password. Other users can access your Wi-Fi hotspot only if they enter the correct password.

Note: **WEP** is the weakest option because it is highly vulnerable to hacking. **WPA2** is recommended by IEEE.

- **Broadcast Channel**—Select a channel that minimizes potential interference. You may need to try different channels after your hotspot is active for a time.

Touch **Save** when the settings are complete.

MEMORY CARD & FILE MANAGEMENT

copy photos, music, and more

MEMORY CARD

Note: Your music, photos, and other files are automatically stored on your phone's internal memory. You can purchase a memory card separately.

DELETE OR SHARE FILES ON YOUR PHONE

Find it:  >  **Files > Internal phone storage or SD card**

Touch a file or folder to open, then touch and hold a file to **Delete** or **Share**.

REMOVE OR FORMAT YOUR MEMORY CARD

Note: Do not remove your memory card while your phone is using it or writing files on it.

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

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

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

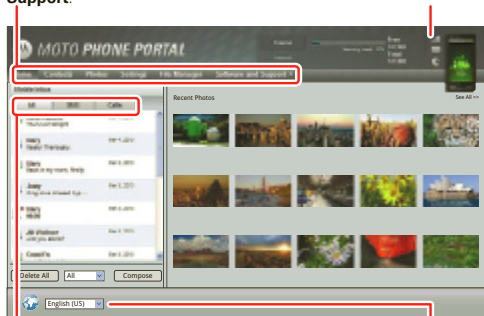
VIEW & TRANSFER FILES

You can use Motorola Phone Portal to connect your phone and computer with a cable or a Wi-Fi network.

When you connect your phone or type the Phone Portal URL into your computer's browser, you'll see the Phone Portal home screen.

Open your recent activity (**Home**), **Contacts**, **Photos**, **Settings**, **File Manager**, or **Support**.

Open details about your phone's network signal, battery, or memory.



Show **All** recent activity, or only your **SMS** (text messages) or **Calls**.

Choose your language.

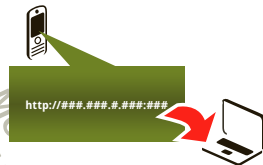
Note: Phone Portal works best with Internet Explorer 7 or newer, with Java script and cookies enabled.

CONNECT THROUGH A WI-FI NETWORK

Note: Most public Wi-Fi networks (like the ones at coffee shops) don't let devices connect to each other. In that case, you need a USB cable connection.

1 Touch > **Phone Portal**

2 If your phone is connected to a Wi-Fi network, it shows a URL. Use a computer on the network to enter the URL in a browser. It opens the Phone Portal home screen.



Tip: When your phone's Wi-Fi is on, it automatically reconnects to nearby networks it has used. To turn Wi-Fi on or off, touch > **Settings > Wireless & networks > Wi-Fi**.

If your phone is not connected to a Wi-Fi network, it asks you to connect. Touch **OK** to open the Wi-Fi settings screen, then turn on **Wi-Fi** and touch a network to connect.

For network passwords, ask other network users or administrators. For your phone's MAC address and Wi-Fi details, touch Menu  > **Advanced**.

When your phone is connected ( appears in the status bar), touch Back  to close the settings. Soon, Phone Portal shows a URL at the bottom of your screen. Using a computer on the same Wi-Fi network, just type the URL into the browser to open the Phone Portal home screen.

CONNECT THROUGH A USB CABLE

- 1 Turn on your phone and computer, and connect them with a USB-to-micro USB cable.



If your computer needs to download drivers for your phone, visit www.motorola.com/support. If a camera connection window opens, just close it.

- 2 Once your computer has the correct Motorola drivers, it opens the Phone Portal home page in your browser. A Motorola icon  appears in your task bar, in the lower right of your computer screen.

If you have Motorola Media Link, it will launch instead of Phone Portal. To use Phone Portal, right-click  in your task bar, select "when the phone connects, launch," and choose MPP.

Disconnect and reconnect your phone to launch Phone Portal.

If you want to connect your phone as a **memory card** rather than using Phone Portal, flick down the status bar at the top of your screen, touch  **USB connection**, and choose **USB Mass Storage**.

TOOLS

stay on top of things

ALARM CLOCK

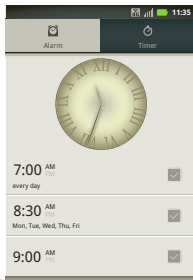
Find it:  >  **Alarm & Timer**

To turn on an alarm, touch the check box.

When an alarm sounds, select **Dismiss** to turn it off or touch the screen to snooze for five minutes.

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

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



CALCULATOR

Find it:  >  **Calculator**

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

CALENDAR

Find it:  >  **Calendar**

Touch  to view your calendar events can by **Agenda**, **Day**, or **Week**. When you highlight an event, more details appear.

Tip: Add a calendar widget to your home screen by touching and holding an empty space. Then touch **Motorola widgets** > **Calendar**.



ADD CALENDAR EVENTS

From any view, touch . Enter the event start time and other details. You can even set a reminder so you don't forget about the event. When you finish entering event details, touch **Save**.

MANAGE CALENDAR EVENTS

To edit an event, touch and hold it, then touch **Edit event**. When you're done, touch **Save**.

To delete an event, touch and hold it, then touch **Delete event**.

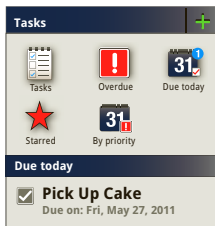
To go to today, touch  > **Today**.

TASKS

Find it:  >  **Tasks**

To add a task, touch .

Touch an icon to view your tasks by due date, priority, and more.



QUICKOFFICE

Use Quickoffice to create, view text documents and spreadsheets.

Find it:  >  **Quickoffice**

CREATE A NEW FILE

To create a new file, touch the icon of the type of file you want to create, then touch **Create New Document**.

OPEN A DOCUMENT

To open an existing file, touch the icon of the type of file you want to edit, touch **SD Card**, to search for a file, or touch **Recent Documents**.

BROWSE FILES

To browse files on your memory card, touch **Browse** > **SD Card**. Touch a file or folder to open, or touch and

hold a file for options. You can edit most text or spreadsheet files:

TIPS:

- Place your cursor by touching the text.
- Select text by double-touching it.
- Choose formatting, save the file, or choose other options by pressing Menu .

To manage your folders and transfer files, see “**MEMORY CARD & FILE MANAGEMENT**” on page 46.

ACCESSIBILITY

See, hear, speak, feel, and use. Accessibility features are there for everyone, helping to make things easier.

Note: For general information, accessories, and more, visit www.motorola.com/accessibility

VOICE RECOGNITION

Use your voice—just touch and speak.

- **Dialing and commands:** Double-touch Home  or touch  >  **Voice Commands**. To dial, say “**Call**” and then a contact name or phone number. Or, say a command from the list shown, like “**Send Text**” or “**Go To**”.
- **Search:** Touch and hold Search , then say what you want to search for, like “Motorola accessories”.

- **Text entry:** Touch a text entry field to open the touchscreen keypad. Touch , then say what you want to type.

Tip: Speak naturally, but clearly. Use the microphone in a similar way to a speakerphone, so no need to shout or hold the phone close to your mouth.

To change your voice settings, see “**VOICE SETTINGS**” on page 51.

VOICE READOUTS (TALKBACK)

Your navigation and selections, read out loud.

To turn on voice readouts (similar to TalkBack), touch  >  **Settings** > > **Accessibility**. Touch **Accessibility** to enable the settings, then touch **Voice Readouts**.

Note: You may be asked to download additional “text-to-speech” software (data charges may apply).

To use voice readouts:

- **Menus and screens:** In menus and screens, touch an item to highlight it (the item will be read out loud), and double-touch to open it.
- **Note:** Touch a home screen widget or shortcut to open it.
- **Dialer & text entry:** As you type, each number or letter is read out loud.

- **Notification:** When you flick the notifications bar down, all notifications are read out loud.

Tip: Navigate through your apps and menus to hear how voice readouts work on your phone.

To change your voice settings, see “**VOICE SETTINGS**” on page 51.

CALLER ID

When you want to **hear** who’s calling:

- **Read out loud:** Have your caller announced—touch  >  **Settings** > **Call settings** > **Caller ID readout**.
- **Ringtones:** Assign a unique ringtone to a contact—touch  **Contacts**, open a contact, then touch Menu  > **Edit** > **Options** > **Ringtone**.

To change your voice settings, see “**VOICE SETTINGS**” on page 51.

VOICE SETTINGS

Personalize your voice settings:

- **Voice recognition:** Touch  >  **Settings** > **Voice input & output** > **Voice recognizer settings**. From here, you can set options like language and censorship.
- **Voice commands:** Touch  >  **Voice Commands** > Menu  > **Settings**. From here, you can refine

recognition of your voice (**Adaptation**) and set options like prompts and shortcuts.

- **Text-to-speech:** Touch  >  **Settings** > **Voice input & output** > **Text-to-speech settings**. From here, you can set options like speed and language.

VOLUME & VIBRATE

Choose volume and vibrate settings that work for you. Touch  >  **Settings** > **Sound**:

- **Volume:** Touch **Volume** and use the sliders.
Tip: To set separate ring and notification volumes, uncheck **Use incoming call volume for notifications**.
- **Vibrate:** Select **Vibrate** to feel your phone ring.

ZOOM

Get a closer look. Open a magnification window that you can drag around the screen, or pinch to zoom in on maps, web pages, and photos.

- **Magnification window:** Touch  >  **Settings** > **Accessibility**. Touch **Accessibility** to enable the settings, then touch **Zoom Mode**.
- **Pinch to zoom:** To zoom in, touch the screen with two fingers and then slide them apart. To zoom out, drag your fingers together.

DISPLAY BRIGHTNESS

Set a brightness level that works for you. Touch  >  **Settings** > **Display** > **Brightness**. Make sure that **Automatic brightness** is unchecked so you can set your own level.

TOUCHSCREEN & KEYS

All these touch features are great, and sometimes it's nice to hear or feel your touches too. Touch  >  **Settings** > **Sound**:

- **Touchscreen:** To hear screen touches (click), select **Audible selection**.
- **Keys:** To feel key touches (vibrate), select **Haptic feedback**.
- **Screen lock:** To hear when you lock/unlock the screen (click), select **Screen lock sounds**.

MESSAGES

From a simple text message to IM, email, and more. Create, send, and receive them all, in one place.

Find it:  >  **Messaging** > **Universal inbox**

And to make text entry even easier, you can use features like auto-complete, auto-correct, and auto-punctuate—touch  >  **Settings** > **Language & keyboard** > **Swype** or **Multi-touch keyboard**. Of course if you don't want to type at all,

then use your voice—touch  on the touchscreen keypad.

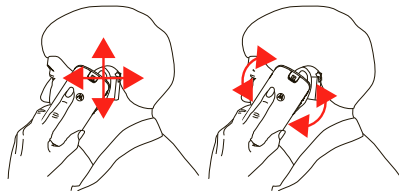
HEARING AIDS

To help get a clear sound when using a hearing aid or cochlear implant, your phone may have been rated for use with hearing aids. If your phone's box has "Rated for Hearing Aids" printed on it, then please read the following guidance.

Note: Ratings are not a guarantee of compatibility, see "Hearing Aid Compatibility with Mobile Phones" in your legal and safety information. You may also want to consult your hearing health professional, who should be able to help you get the best results.

- **Settings:** Touch  >  **Settings** > **Call settings** > **HAC mode settings**.
- **Call volume:** During a call, press the side volume keys to set a call volume that works for you.

- **Position:** During a call, hold the phone to your ear as normal, and then rotate/move it to get the best position for speaking and listening.



TTY

You can use your phone in TTY mode with standard teletype machines. Touch Menu  >  **Settings** > **Call settings** > **TTY mode** and select the mode you need:

- **TTY full:** Type and read text on your TTY device.
- **TTY HCO:** Hearing-Carry-Over—type text on your TTY device and listen to voice replies on your phone's speaker.
- **TTY VCO:** Voice-Carry-Over—speak into your phone and read text replies on your TTY device.

Note: You'll need a cable/adaptor to connect your TTY device to the headset jack on your phone.

Refer to your TTY device guide for mode and usage information.

APPS

Want more? No problem. Android Market™ provides access to thousands of apps, and many provide useful accessibility features.

Find it:  >  **Market**

Select a category or press Search  to find the app you want.

Tip: Choose your apps carefully, from trusted sites like  **Market**, as some may impact your phone's performance.

MANAGEMENT

stay in control

WIRELESS MANAGER

Find it:  >  **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. Press and hold Power/Lock  > **Airplane mode**.

Note: When you select airplane mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth back on, if permitted by your airline. Other wireless voice and data services (such as calls and text messages) remain off in airplane mode. Emergency calls to your region's emergency number (e.g., 911) can still be made.

Tip: To add a quick switch for **Airplane mode**, touch and hold a blank spot on your home screen, then touch **Motorola Widgets** > **Airplane Mode Toggle**.



NETWORK MODE (INTERNATIONAL)

In a few countries where both CDMA and GSM networks are present or where multiple GSM networks are available, you may have to manually switch to the appropriate network to get global data.

To manually switch the network mode on your phone, touch  >  **Settings** > **Wireless & networks** > **Mobile networks** > **Network mode** > **Any CDMA** or **Any GSM/UMTS**.

Depending on your network, your phone shows additional options for network roaming, network selection, operator selection, and access point names.

DATA ROAMING (INTERNATIONAL)

Data roaming is turned off for your phone. You can turn it on to connect to data services when roaming globally:

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

To set CDMA roaming settings, touch > **CDMA Roaming Settings** > **Domestic Data** or **International Data**.

To set GSM/UMTS roaming settings, touch **Allow GSM Data** under **GSM/UMTS settings**.

Warning: You may incur significant roaming charges when this feature is turned on.

PHONE UPDATES

Stay up to date with the latest software for your phone. You can check, download, and install updates using your phone or your computer:

- Using your phone:

You may get an automatic notification of an available update on your phone. Follow the instructions to download and install.

To manually check for updates, touch  >  **Settings** > **About phone** > **System updates**.

Your phone downloads any updates over your mobile network. Remember, these updates can be quite large (25MB or more) and may not be available in all countries. If you don't have an unlimited data plan, or mobile network updates are not available in your country, you can update using a computer.

- Using your computer:

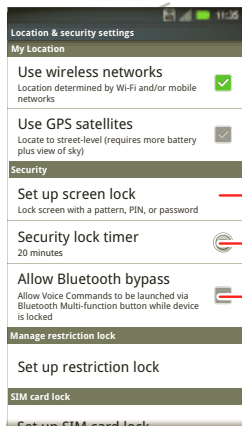
On your computer, go to www.motorola.com/myphoton and check the "Software" links. If an update is available, simply follow the installation instructions.

SECURITY

help keep your phone safe

QUICK START: SECURITY

Find it:  >  Settings > Location & security



Set up screen lock.

Set lock timer.

Bluetooth bypass.

SCREEN LOCK

To prevent accidental touches, you can make the screen lock when it goes to sleep. Touch  >

 Settings > Location & security > Set up screen lock, then select the lock type:

- **Pattern lock**—draw a pattern to unlock.
- **PIN**—enter a numeric PIN to unlock.
- **Password lock**—enter a password to unlock.

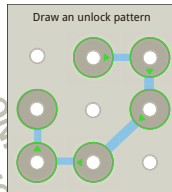
Note: You can make emergency calls on a locked phone (see “**EMERGENCY CALLS**” on page 14). A locked phone still rings, **but you need to unlock it to answer.**

LOCK PATTERN

To set the lock pattern, touch  >  Settings > Location & security > Set up screen lock > Pattern.

Follow the instructions to draw your lock pattern.

When prompted, draw the pattern to unlock the phone.



PIN LOCK

To set a PIN, touch  >  Settings > Location & security > Set up screen lock > PIN.

Enter a numeric PIN, then confirm it.

When prompted, enter the PIN to unlock the phone.

PASSWORD LOCK

To set the password, touch  >  **Settings**
> **Location & security** > **Set up screen lock**
> **Password**.

Enter a password (up to eight characters), then confirm it.

When prompted, enter the password to unlock the phone.

PERSONALIZE YOUR LOCK SCREEN

To change your timeout, touch  >  **Settings**
> **Location & security** > **Security lock timer**. If you don't touch the screen or press any keys for the amount of time you select, the screen locks automatically.

LOCK & UNLOCK

To lock the screen/phone:

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

To unlock the screen/phone, press Power/Lock , or touch Home . Or switch on the phone to view the lock screen.

FORGOT YOUR PATTERN OR PASSCODE?

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

RESET

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

Warning: All data on your phone will be deleted. (Nothing on your memory card is deleted.)

TROUBLESHOOTING

we're here to help

CRASH RECOVERY

In the unlikely event that your phone stops responding to touches 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.

SERVICE & REPAIRS

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

Go to www.motorola.com/repair (United States) or www.motorola.com/support (Canada), where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-734-5870 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).



DRAFT - MOTOROLA CONFIDENTIAL
& PROPRIETARY INFORMATION

Safety, Regulatory & Legal

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 mobile device or battery come in contact with liquids.*** Liquids can get into the mobile device's circuits, leading to corrosion.
- **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 mobile device or battery near a heat source.*** High temperatures can cause the battery to swell, leak, or malfunction.
- **Don't dry a wet or damp battery with an appliance or heat source,** such as a hair dryer or microwave oven.

DOs

- **Do avoid leaving your mobile device in your car in high temperatures.***
- **Do avoid dropping the mobile device or battery.*** Dropping these items, especially on a hard surface, can potentially cause damage.*
- **Do contact your service provider or Motorola if your mobile device or battery has been damaged by dropping, liquids or high temperatures.**

*** Note:** Always make sure that the battery compartment and any connector covers are closed and secure to avoid direct exposure of the battery to any of these conditions, even if your product information states that your **mobile device** can resist damage from these conditions.

Important: Motorola recommends you always use Motorola-branded batteries and chargers for quality assurance and safeguards. Motorola's warranty does not cover damage to the mobile device caused by non-Motorola batteries and/or chargers. To help you identify authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its

batteries. You should confirm that any battery you purchase has a "Motorola Original" hologram.

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 try charging it again;
- If the message remains, contact a Motorola authorized service center.

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. You can recycle your used batteries in many retail or service provider locations. Additional information on proper disposal and recycling can be found at www.motorola.com/recycling

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 product's battery:

- During charging, keep your battery and charger near room temperature for efficient battery 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.

Third Party Accessories

Use of third party accessories, including but not limited to batteries, chargers, headsets, covers, cases, screen protectors and memory cards, may impact your mobile device's performance. In some circumstances, third party accessories can be dangerous and may void your mobile device's warranty. For a list of Motorola accessories, visit www.motorola.com/products

Driving Precautions

Responsible and safe driving is your primary responsibility when behind the wheel of a vehicle. Using a mobile device or accessory for a call or other application while driving may cause distraction. 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.

While driving, NEVER:

- Type or read texts.
- Enter or review written data.
- Surf the web.
- Input navigation information.
- Perform any other functions that divert your attention from driving.

While driving, ALWAYS:

- Keep your eyes on the road.
- Use a handsfree device if available or required by law in your area.
- Enter destination information into a navigation device **before** driving.
- Use voice activated features (such as voice dial) and speaking features (such as audible directions), if available.
- Obey all local laws and regulations for the use of mobile devices and accessories in the vehicle.
- End your call or other task if you cannot concentrate on driving.

Remember to follow the "Smart Practices While Driving" in this guide and at www.motorola.com/callsmart (in English only).

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing videos or 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 videos or 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 website 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.

Children

Keep your mobile device and 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.

Similar to a computer, if a child does use your mobile device, you may want to monitor their access to help prevent exposure to inappropriate apps or content.

Glass Parts

Some parts of your mobile device may be made of glass. This glass could break if the product 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.

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 unless it is a radio product type especially qualified for use in such areas as "Intrinsically Safe" (for example, Factory Mutual, CSA, or UL approved). 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 dispose of your battery or mobile device with your household waste. See "Recycling" for more information.
	Do not use tools.

Symbol

Definition



For indoor use only.

Radio Frequency (RF) Energy

Exposure to 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.

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:

- 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 cm (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 website 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.

Specific Absorption Rate (IEEE)

YOUR MOBILE DEVICE MEETS FCC LIMITS FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) adopted by the Federal Communications Commission (FCC). These limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for mobile devices is 1.6 W/kg.

Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. The highest SAR values under the FCC guidelines for your device model are listed below:

Head SAR	CDMA 800/1900, Wi-Fi, Bluetooth	0.99 W/kg
Body-worn SAR	CDMA 800/1900, Wi-Fi, Bluetooth	0.70 W/kg

During use, the actual SAR values for your device are usually well below the values stated. This is because, for purposes of system efficiency and to minimize interference on the network, the operating power of your mobile device is automatically decreased when full power is not needed for the call. The lower the power output of the device, the lower its SAR value.

Body-worn SAR testing has been carried out using an approved accessory or at a separation distance of 2.5 cm (1 inch). To meet RF exposure guidelines during body-worn operation, the device should be in an approved accessory or positioned at least 2.5 cm (1 inch) away from the body. If you are not using an approved accessory, ensure that whatever product is used is free of any metal and that it positions the phone at least 2.5 cm (1 inch) away from the body.

The World Health Organization has stated that present scientific information does not indicate the need for any special precautions for the use of mobile devices. They recommend that if you are interested in further reducing your exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body.

Additional information can be found at www.who.int/emf (World Health Organization) or www.motorola.com/rfhealth (Motorola Mobility, Inc.).

Information from the World Health Organization

"A large number of studies have been performed over the last two decades to assess whether mobile phones pose a potential health risk. To date, no adverse health effects have been established for mobile phone use."

Source: WHO Fact Sheet 193

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

European Union Directives Conformance Statement

The following CE compliance information is applicable to Motorola mobile devices that carry one of the following CE marks:

CE 0168

CE 0168

[Only Indoor Use Allowed In France
for Bluetooth and/or Wi-Fi]

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



Product
Approval
Number

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

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

FCC Notice to Users

The following statement applies to all products that bear the FCC logo on the product label.

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. See 47 CFR Sec. 15.105(b). 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.

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(a)(3).

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.

For products that support Wi-Fi 802.11a (as defined in the product specifications available at www.motorola.com), the following information applies. This equipment has the capability to operate Wi-Fi in the 5 GHz Unlicensed National Information Infrastructure (U-NII) band. Because this band is shared with MSS (Mobile Satellite Service), the FCC has restricted such devices to indoor use only (see 47 CFR 15.407(e)). Since wireless hot spots operating in this band have the same restriction, outdoor services are not offered. Nevertheless, please do not operate this device in Wi-Fi mode when outdoors.

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. This Class B digital apparatus complies with Canadian ICES-003.

Location Services (GPS & AGPS)

The following information is applicable to Motorola mobile devices that provide location based (GPS and/or AGPS) functionality.

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 devices 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.

Navigation

The following information is applicable to Motorola mobile devices that provide navigation features.

When using navigation features, note that mapping information, directions and other navigational data may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay

attention to road conditions, closures, traffic, and all other factors that may impact driving. Always obey posted road signs.

Smart Practices While Driving

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 may be required. 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, redial and voice dial.** 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.
- **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 (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).

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. Use your device's security and lock features, where 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.
- **Secure Personal Information**—Your mobile device can store personal information in various locations including your SIM card, memory card, and phone memory. Be sure to remove or clear all personal information before you recycle, return, or give away your device. You can also backup your personal data to transfer to a new device.
Note: For information on how to backup or wipe data from your mobile device, go to www.motorola.com/support
- **Online accounts**—Some mobile devices provide a Motorola online account (such as MOTOBLUR). Go to your account for information on how to manage the account, and how to use security features such as remote wipe and device location (where available).
- **Applications and updates**—Choose your apps and updates carefully, and install from trusted sources only. Some apps can impact your phone's performance and/or

have access to private information including account details, call data, location details and network resources.

- **Wireless**—For mobile devices with Wi-Fi features, only connect to trusted Wi-Fi networks. Also, when using your device as a hotspot (where available) use network security. These precautions will help prevent unauthorized access to your device.
- **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.

Use & Care

To care for your Motorola mobile device, please observe the following:



liquids

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



extreme heat or cold

Don't store or use your mobile device in temperatures below -10°C (14°F) or above 60°C (140°F). Don't recharge your mobile device in temperatures below 0°C (32°F) or above 45°C (113°F).

**microwaves**

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

**dust and dirt**

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

**cleaning solutions**

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

**shock and vibration**

Don't drop your mobile device.

**protection**

To help protect your mobile device, always make sure that the battery compartment and any connector covers are closed and secure.

Recycling

Mobile Devices & Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste, or 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



Packaging & Product Guides

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.

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 when the battery is recycled or disposed of. See www.dtsc.ca.gov/hazardouswaste/perchlorate
There is no special handling required by consumers.

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. To maintain the published Hearing Aid Compatibility (HAC) rating for this mobile phone, use only the original equipment battery model.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Contact your service provider or Motorola for information on hearing aid compatibility. If you have questions about return or exchange policies, contact your service provider or phone retailer.

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.

Software Copyright Notice

Motorola products may include copyrighted Motorola and third-party software stored in semiconductor memories or other media. Laws in the United States and 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 MOBILITY, 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.

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.

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.

Service & Repairs

If you have questions or need assistance, we're here to help.
Go to www.motorola.com/repair (United States) or www.motorola.com/support (Canada), where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-734-5870 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola Mobility, Inc. warrants its mobile telephones ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories"), and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories, and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

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

Products Covered	Length of Coverage
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
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 (Products and Accessories)

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)

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	1-800-734-5870
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Canada	1-800-461-4575
TTY	1-888-390-6456

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.

Copyright & Trademarks

Motorola Mobility, Inc.
Consumer Advocacy Office
600 N US Hwy 45
Libertyville, IL 60048
www.motorola.com

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

1-800-734-5870 (United States)
1-888-390-6456 (TTY/TDD United States for hearing impaired)
1-800-461-4575 (Canada)

Certain features, services and applications are network dependent and may not be available in all areas; additional terms, conditions and/or charges may apply. Contact your service provider for details.

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.

Note: The images in this guide are examples only.

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Caution: Motorola does not take responsibility for changes/modification to the transceiver.

Product ID: Motorola MOTOROLA ELECTRIFY (MB853)

Manual Number: 68XXXXXXX-X



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& PROPRIETARY INFORMATION

