Congratulations

**MOTO™ XT720**

**MOTO XT720** gives you a premium browsing and messaging experience with the very latest from Google™.

- **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. Google Maps™ to find your way. 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](http://www.motorola.com/support).

**Your phone**

**the important keys & connectors**

- **Power Key**
  - Press to put the display to sleep, or hold to turn off.

- **Volume Keys**
  - Charge or connect to PC.

- **Micro USB Connector**
  - Press to return to the home screen.

- **Menu Key**
  - Press to open menu options.

- **Home Key**
  - Press for text search.

- **Camera Key**
  - Press for text search.

- **Search Key**
  - Press to go back.

- **3.5mm Headset Jack**
  - HDMI Output

- **Touchscreen**

**Note:** Your phone might look a little different.
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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 “Battery Use & Safety” on page 40.
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 (on the phone) > 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 15.
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 35.
**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.
Pinch-to-zoom
Get a closer look at maps, web pages, or photos. To zoom in, touch the screen with two fingers and then slide them apart. To zoom out, 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 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 > List gestures. You’ll also see several signs that are unassigned.
- To assign an action to a sign, press Menu > Add gesture.

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.

- 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 37.
Power key menu
Press and hold Power (⑫) 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).

Spin the screen
The touchscreen can rotate 90 degrees to stay right-side up when you rotate your phone:
Find it: Menu (⑬) > 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 (⑭) from a menu. It’s basically like this:

Note: Your home 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 15). 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 .

**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.
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
- GPS active
- Wi-Fi active
- downloading
- vibrate
- silent
- mute call
- speakerphone active
- Google™ sync

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.

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 45).

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

Quick start: Browser
Find It: Home > Browser

Web Address
To enter a URL, press .

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:

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Refresh</strong></td>
<td>Reloads the current page.</td>
</tr>
<tr>
<td><strong>Windows</strong></td>
<td>View the browser windows that are currently open.</td>
</tr>
<tr>
<td><strong>New window</strong></td>
<td>Add a new browser window to your list.</td>
</tr>
<tr>
<td><strong>Back/Forward</strong></td>
<td>Navigate to previously viewed pages.</td>
</tr>
<tr>
<td><strong>Bookmarks</strong></td>
<td>Add the current page to your bookmark list, and see all your bookmarks.</td>
</tr>
<tr>
<td><strong>More</strong></td>
<td>Shows browser options, like Find on page, Select text, Page info, Share page, Downloads, and Settings.</td>
</tr>
</tbody>
</table>
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
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 13.
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.

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.
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.
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, and follow the on-screen instructions.

A status indicator at the top of the screen shows the download progress.

Manage & restore apps
To view your downloaded apps, press Home > Market, then press Menu > Downloads. Tap the app to open the details screen—from here you can review, uninstall, and more.

To reinstall any downloaded items, press Home > Market. 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 17.

**Gmail™**

Create a new email

**Find it:** Home > > Gmail, press 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.

**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, press Menu > Compose

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

**Tip:** Press Menu for options, like Add attachment 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

Tip: To search the list, press Search (9) 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.

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

Menu Options
Press Menu (9) to edit sync groups or to add/import new contacts.

Import contacts from your SIM
Note: You need to set up an email account (see page 16) before you can import contacts from your SIM.
Find it: Contacts > Menu (9) > Import/Export > Import from SD card
Note: You might have already imported contacts from your SIM during “Set up & go” on page 3.

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 (9) > 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 (9) > New contact
Select the account to save the contact to, then type the contact name and details.

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

Message List
Tap to open a message. Tap & hold to move, delete, and more.
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 > Compose
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 34.

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 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 7).
- 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

Typing tips

<table>
<thead>
<tr>
<th>To...</th>
<th>Tap Alternate</th>
<th>Tap Shift</th>
<th>Tap and hold text</th>
<th>Tap and hold &gt; Paste</th>
<th>Tap Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter alternate characters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter capital letters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cut or Copy selected text</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paste cut or copied text</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Delete a character (hold to delete a line)</td>
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</tbody>
</table>

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
To open a display keypad, tap a text field. To close the keypad, press Back.

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 “don’t.”

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.

Symbols/Numbers
Tap to open a keypad for symbols and numbers.

To change your settings for this keypad, from the home screen, press Menu > Settings > Language & keyboard > Android keyboard.
## Tips & tricks
*a few handy hints*

<table>
<thead>
<tr>
<th>To...</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Return to <em>home</em> screen</td>
<td>Press Home (Home)</td>
</tr>
<tr>
<td>See recently dialed numbers</td>
<td>Tap Phone &gt; <em>Call log</em></td>
</tr>
<tr>
<td><strong>Sleep/wake your phone</strong></td>
<td>Press Power (Power)</td>
</tr>
<tr>
<td><strong>Set screen timeout</strong></td>
<td>Press Menu &gt; <em>Settings</em> &gt; <em>Sound &amp; display</em> &gt; <em>Screen timeout</em></td>
</tr>
<tr>
<td><strong>Set HDMI format</strong></td>
<td>You can send video to your HDTV over an HDMI cable connection. To set the video format, press Menu &gt; <em>Settings</em> &gt; <em>HDMI</em> &gt; <em>HDMI Format</em> &gt; 720P, 480P, or Automatic.</td>
</tr>
<tr>
<td><strong>Search</strong></td>
<td>Press Home (Home), then press (Q)</td>
</tr>
</tbody>
</table>

### Search
*Press Home (Home), then press (Q).*

### Screen timeout
*Press Menu > *Settings* > *Sound & display* > *Screen timeout*.

### HDMI format
*You can send video to your HDTV over an HDMI cable connection. To set the video format, press Menu > *Settings* > *HDMI* > *HDMI Format* > 720P, 480P, or Automatic.*

### 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.

---

**To...**

- **Show last few apps used** Press and hold Home (Home)
- **Turn sound on/off** Press and hold Power (Power) > *Silent mode*.
- **Turn airplane mode on/off** Press and hold Power (Power) > *Flight mode*.
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.

Ringtones
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 Live wallpapers or Wallpaper gallery to choose a wallpaper that comes with your phone.

Sounds
Features

set volume for media and videos
Menu > Settings > Sound & display > Music/video 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
Photos & videos
see it, capture it, share it!

Photos
Take & share photos
Take that family photo, and post it online for everyone to see.
Find it: Press Camera 📷.

Note: Photos are stored on your microSD memory card. **Picture Resolution** is 8MP, unless you change it.
To take the photo, press Camera 📷.
Tap the photo for more options:
• To set the photo as a wallpaper or contact photo, tap **Set as**.
• To send the photo in a message or post it online, tap Share. For more info on sharing your photos, see “Share your photo gallery” on page 27.
• To delete the photo, tap Delete.

Photo options
In the viewfinder, tap:

<table>
<thead>
<tr>
<th>options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenes</td>
<td>Choose from Auto, Portrait, Landscape and more.</td>
</tr>
<tr>
<td>Flash</td>
<td>Choose from Flash On, Flash Off, and Auto Flash.</td>
</tr>
<tr>
<td>Brightness</td>
<td>Tap - or + to change the brightness setting.</td>
</tr>
<tr>
<td>Capture mode</td>
<td>Choose from Camera, Camcorder, Self Portrait and more.</td>
</tr>
<tr>
<td>View</td>
<td>View the photos in the Camera gallery.</td>
</tr>
</tbody>
</table>

In the viewfinder, press Menu \( \square \) > Settings to open the camera menu:

<table>
<thead>
<tr>
<th>options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Face detect</td>
<td>Detect faces stored on your phone.</td>
</tr>
<tr>
<td>Image stabilization</td>
<td>Prevent the camera from shaking when taking a photo.</td>
</tr>
<tr>
<td>Picture resolution</td>
<td>Select the resolution for your photos. Set to 8MP.</td>
</tr>
<tr>
<td>Panorama resolution</td>
<td>Choose from 2MP, 1MP, and VGA.</td>
</tr>
<tr>
<td>Review time</td>
<td>Choose from 2 seconds, 4 seconds, and 6 seconds.</td>
</tr>
<tr>
<td>Web upload address</td>
<td>Enter the web site address where you want to upload your photos.</td>
</tr>
</tbody>
</table>
Photos & videos

View your photos

Find it: Home > > > Gallery > Camera

Categories
Tap left or right to open.

Thumbnail
Tap to view photo.

Tap left or right to scroll.

View your photos

Press Home > > > Gallery > Camera
pictures, tap a picture, then tap 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

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, Google Mail, or Messaging.

Manage your photos

Find it: Home > > > Gallery > Camera

Tap and hold a photo, then:
• To delete the photo, tap Delete.
• To set the photo as a contact picture or wallpaper, tap More > Set as.
Tip: To copy photos to/from a computer, go to “USB drag & drop” on page 35.

Edit your photos

Press Home > > > Gallery > Camera, tap & hold picture, then tap More > Crop, Rotate Left or Rotate Right.
Photos & videos

Videos
Record & share videos
Find it: Press 📹 > Camcorder

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

To record the video, tap 🎥. Tap 🎥 to stop the video.
Tap the video for more options:
- 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 27.
- To **play** the video, tap 🎥.
- To **delete** the video, tap Delete.

Play your videos
Find it: Home 🏛️ ➤ 📷 ➤ 📷 Gallery ➤ Video

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

Send videos to your HDTV
Want a larger HD experience? Send the video from the phone to your HDTV over an HDMI cable connection.
**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

**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 2.
**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: AMR-NB/WB, MP3, PCM/WAV, AAC, AAC+, eAAC+, MIDI, OH, and WMA.
**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 33).

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 a USB connection icon 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

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

<table>
<thead>
<tr>
<th>controls</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>play/pause</td>
<td>Tap [▶️]</td>
</tr>
<tr>
<td>previous/next</td>
<td>Tap [◀️]</td>
</tr>
</tbody>
</table>
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.

---

**controls**

<table>
<thead>
<tr>
<th>Control</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>fast forward/rewind</td>
<td>Tap and hold ⏹️ ⏯️</td>
</tr>
<tr>
<td>view playlist</td>
<td>Tap 🎧</td>
</tr>
<tr>
<td>shuffle</td>
<td>Tap ⏯️</td>
</tr>
<tr>
<td>repeat</td>
<td>Tap ⏯️</td>
</tr>
<tr>
<td>volume</td>
<td>Press the side volume keys.</td>
</tr>
<tr>
<td>view library</td>
<td>Press Menu 📁 &gt; <strong>Library</strong>.</td>
</tr>
<tr>
<td>turn shuffle on/off</td>
<td>Press Menu 📁 &gt; <strong>Party shuffle</strong>.</td>
</tr>
<tr>
<td>add to playlist</td>
<td>Press Menu 📁 &gt; <strong>Add to playlist</strong></td>
</tr>
<tr>
<td>use as ringtone</td>
<td>Press Menu 📁 &gt; <strong>Use as ringtone</strong></td>
</tr>
<tr>
<td>delete</td>
<td>Press Menu 📁 &gt; <strong>Delete</strong>.</td>
</tr>
</tbody>
</table>

Hide, wake, turn off

Press Home 📱 to use another app. Your music continues to play.
Bluetooth® wireless
lose the wires and go wireless

Quick start: Bluetooth wireless
Find it: Menu > Settings > Wireless & networks > Bluetooth settings

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 34.
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.
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.

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

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

USBDrag & 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

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.

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 10). 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 (6).

Set unlock pattern
To set an unlock pattern, that you need to draw to unlock your screen, press Menu (5) > Settings > Location & security > Set unlock pattern, then follow the instructions to draw your pattern.
To turn the lock off, press Menu (5) > Settings > Location & security > Require 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 (5) > 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 (5) > 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, contact 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 2), 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 > SD card & phone storage > Factory data reset > Reset phone.

Warning: All data on your phone will be deleted. Data on your microSD memory card will not be deleted.

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 - Android products), 1-800-331-6456 (United States - all other products), 1-888-390-6456 (TTY/TDD United States for hearing impaired - all products), or 1-800-461-4575 (Canada - all products).
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 water.* Water can get into the mobile device’s circuits, leading to corrosion. If the mobile device and/or battery get wet, have them checked by your service provider 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 mobile device or battery near a heat source.* Excessive heat can damage the mobile device or the battery. High temperatures can cause the battery to swell, leak, or malfunction. Therefore:
  - 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 battery or mobile device.* 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 from dropping or high temperatures. 
  * Note: Always make sure that the battery compartment is closed and secure to avoid direct exposure of the battery to any of these conditions.

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

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- 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.
Battery Charging

Notes for charging your product'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.

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 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.
[Nov0109]
Small 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.

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.

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

Potentially Explosive Atmospheres
Areas with potentially explosive atmospheres are often, but not always, posted and can include fueling areas, such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain dust, or metal powders.
When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

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

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔️</td>
<td>Do not dispose of your battery or mobile device in a fire.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Do not dispose of your battery or mobile device with your household waste. See “Recycling” for more information.</td>
</tr>
<tr>
<td>🔬</td>
<td>For indoor use only.</td>
</tr>
<tr>
<td>⚠️</td>
<td>Listening at full volume to music or voice through a headset may damage your hearing.</td>
</tr>
</tbody>
</table>

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 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.

Specific Absorption Rate (IEEE)

Your model wireless phone meets the governmental requirements for exposure to radio waves.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured to not 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 for the safety of all persons, regardless of age or health, and to account for any variations in measurements. The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The IEEE SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 watts per kilogram (W/kg), averaged over one gram of tissue. Tests for SAR are conducted using procedures accepted by the FCC and by Industry Canada with the mobile device transmitting at its highest certified power level in all tested frequencies. Although the SAR is determined at the highest certified power level, the actual SAR level of the mobile device while operating can be below the maximum value. This is because the mobile device 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 mobile device 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) submitted to the FCC and available for review by Industry Canada. The highest SAR value for this mobile device when tested for use at the ear is 1.01 W/kg, and when worn on the body, as described in this guide, is 1.21 W/kg. The SAR value for this mobile device in its data transmission mode (body-worn use) is 0.15 W/kg. Body-worn measurements can differ, depending upon available accessories and regulatory requirements. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product. While there may be differences between the SAR levels of various mobile devices and at various positions, they meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products, in all cases, products are designed to be within the guidelines. Additional information on SAR can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site: http://www.phonefacts.net or the Canadian Wireless Telecommunications Association (CWTA) Web site: http://www.cwta.ca

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 Fast Sheet 193
Further information: http://www.who.int/peh-emf

European Union Directives Conformance Statement

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

The above gives an example of a typical Product Approval Number. You can view your product’s Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte. To find your DoC, enter the Product Approval Number from your product’s label in the “Search” bar on the Web site.

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:xxxxxxx 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.

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.

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 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.

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.

Navigation

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](http://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. 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.
- **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](http://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—Install third party applications from trusted sources only. Applications can have access to private information such as call data, location details and network resources.

• 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
Avoid 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.
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, 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 & Safety
> 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:

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.

Motorola Limited Warranty for the United
States and Canada

What Does this Warranty Cover?
Subject to the exclusions contained below, Motorola, 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

<table>
<thead>
<tr>
<th>Products Covered</th>
<th>Length of Coverage</th>
</tr>
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<tbody>
<tr>
<td>Products and Accessories as defined above, unless otherwise provided for below.</td>
<td>One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.</td>
</tr>
<tr>
<td>Decorative Accessories and Cases. Decorative covers, bezels, PhoneSuit™ covers and cases.</td>
<td>Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.</td>
</tr>
<tr>
<td>Monoaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.</td>
<td>Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.</td>
</tr>
<tr>
<td>Products and Accessories that are Repaired or Replaced.</td>
<td>The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.</td>
</tr>
</tbody>
</table>

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

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

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 reinstated. 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

<table>
<thead>
<tr>
<th>USA</th>
<th>All Products, Accessories, and Software: 1-800-331-6456</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>All Products: 1-800-461-4575</td>
</tr>
<tr>
<td>TTY</td>
<td>1-888-390-6466</td>
</tr>
</tbody>
</table>

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.
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Motorola, Inc.
Consumer Advocacy Office
600 N US Hwy 45
Libertyville, IL 60048
www.hellomoto.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:
1-800-734-5670 (United States - Android products)
1-866-331-6456 (United States - all other products)
1-888-398-6456 (TT/TTY United States for hearing impaired - all products)
1-800-461-4575 (Canada - all products)

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.

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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.
Manual Number: 6800000437-A