



**MOTO™** XT720

**User's Guide**




## 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.

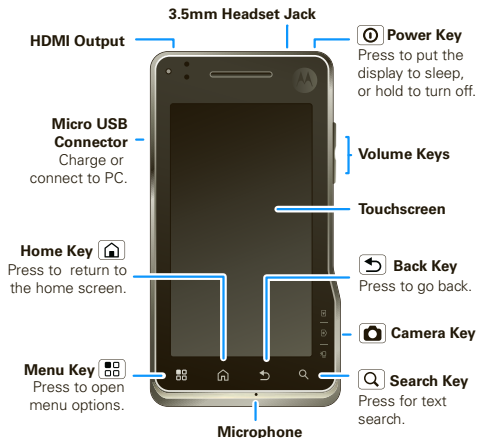
**Caution:** Before assembling, charging or using your phone for the first time, please read the important legal and safety information packaged with your phone. Once your phone is up and running, press Menu  > **Settings** > **About phone** > **Safety information** to read the full information.

### More information

**On your computer**—Go to [www.motorola.com/support](http://www.motorola.com/support).

## Your phone

*the important keys & connectors*



**Note:** Your phone might look a little different.

## Contents

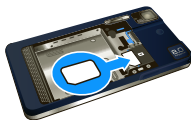
Your phone	1
Let's go	2
Touchscreen & keys	4
Home screen	6
Calls	8
Web	10
Google Maps™	12
Latitude	14
Apps for all	15
Manage your life	16
Contacts	18
Messaging	19
Text entry	21
Tips & tricks	23
Personalize	24
Photos & videos	25
Music	29
Bluetooth® wireless	33
Wi-Fi®	34
USB & memory card	35
Tools	36
Management	37
Security	37
Troubleshooting	39
Safety, Regulatory & Legal	40

## Let's go

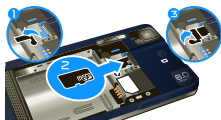
*let's get you up and running*

### Assemble & charge

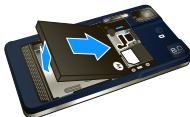
#### 1 SIM in



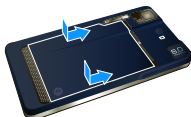
#### 2 microSD in (may already be inserted)



#### 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  > **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.

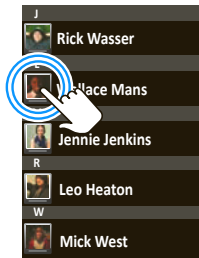
#### Tap

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




#### Tap & hold

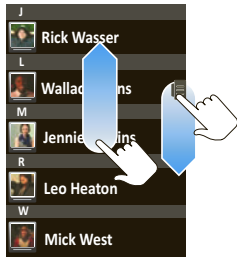
To open special options, *tap and hold* an icon or other item. Try it: In the home screen, tap  **Contacts**, then tap and hold a contact to open options.



#### 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.




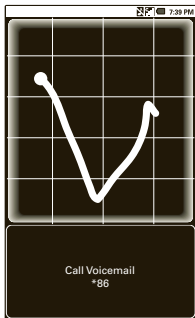
## My Sign

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

## Home screen

*quick access to the things you need most*

### Quick start: Home screen

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



**Note:** Your 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		network (full signal)
	GPS active		network (roaming)
	Wi-Fi active		GPRS (fast data)
	downloading		EDGE (faster data)
	vibrate		3G (fastest data)
	silent		flight mode
	mute call		battery (charging)
	speakerphone active		battery (full charge)
	Google™ sync		alarm set

**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**

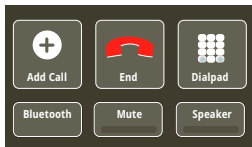
Enter a phone number and tap here to call it.

## 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.

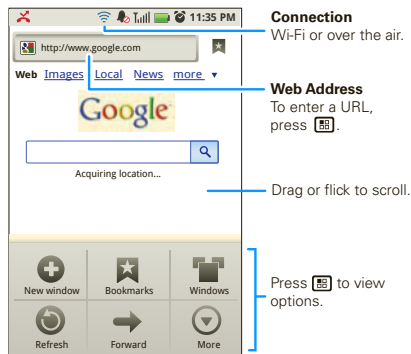
**Note:** Your mobile device can use AGPS satellite signals to help emergency services find you (“GPS & AGPS” on page 45).

## Web

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

## Quick start: Browser

**Find it:** Home  >  **Browser**




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

## Connect

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

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


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

## Select web links

When you tap a link, your phone outlines it and goes to that page. If you tap and hold the link, your phone shows options, like **Open in new window** or **Bookmark link**.



## Browser options

Press Menu  to see browser options:

options	
<b>Refresh</b>	Reloads the current page.
<b>Windows</b>	View the browser windows that are currently open.
<b>New window</b>	Add a new browser window to your list.

## options

<b>Back/Forward</b>	Navigate to previously viewed pages.
<b>Bookmarks</b>	Add the current page to your bookmark list, and see all your bookmarks.
<b>More</b>	Shows browser options, like <b>Find on page</b> , <b>Select text</b> , <b>Page info</b> , <b>Share page</b> , <b>Downloads</b> , and <b>Settings</b> .

## Google Maps™

*where you are, where you're going*

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

### Set your location sources

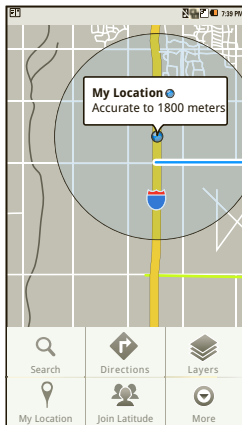
Set your phone to determine your location using GPS satellite signals (highly accurate, but uses battery power) or using the mobile network (less accurate, but conserves battery power).

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

### Quick start: Google Maps

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

Find it: Home  >  **Maps**



#### Map View



Drag or flick to scroll.  
Tap to show zoom.

Press  to show options.



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

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

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

## Map view

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

## Satellite view

Shows map on top of aerial photo.

## Traffic view

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


## Latitude

*where are your friends & family?*

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

### Join Latitude


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

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

### Add & remove friends

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

To add friends:

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

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

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

To remove friends:



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

### Share location



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

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

### Hide your location

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

### Turn off Latitude

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




## 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**

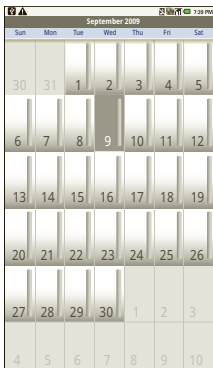
Enter the recipient email address and message, then tap **Send**.

**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.

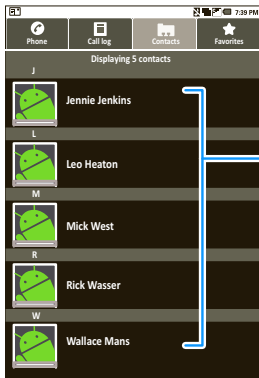
4 Tap **Save & Sync**.

# Contacts

*contacts like you've never had before*

## Quick start: Contacts


**Find it:** Home  >  **Contacts**




### Contacts List

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

### Menu Options

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

**Tip:** To search the list, press Search  and type a name. When you flick or drag this list, a scroll bar appears on the right. Drag the scroll bar to move the list faster.

## Import contacts from your SIM

**Note:** You need to set up an email account (see page 16) before you can import contacts from your SIM.

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

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

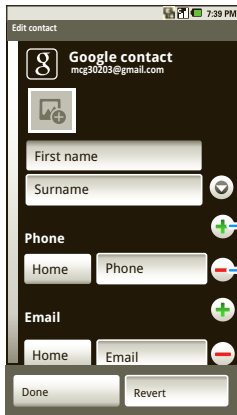
Tap the contact, then press Menu  > **Edit contact** or **Delete contact**.

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

## Create contacts

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

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



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

Tap **+** to add another entry.

Tap **-** to remove this entry.

To see more details, flick up.

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

## Groups

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

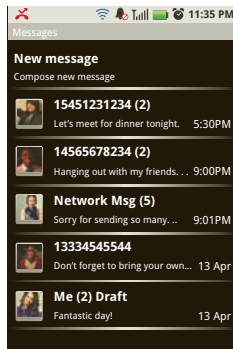
You can put your **Contacts** into groups that you create (like "friends," "family," or "work"). Then, you can find contacts faster by showing one group at a time.

## Messaging

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

### Quick start: Messaging

**Find it:** Home > > **Messaging**



### Message List

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


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

## Read & reply to messages


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

## Create messages

**Find it:**  **Messaging** > **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**.

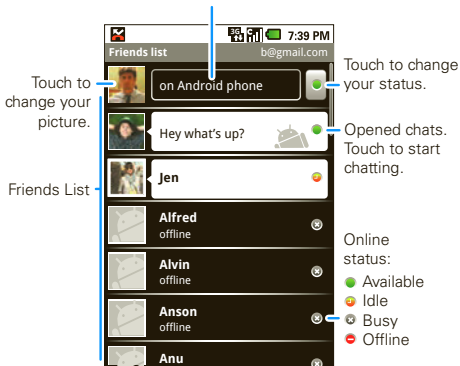
**Tip:** To send and receive large attachments faster, use a Wi-Fi connection, in “Wi-Fi®” on page 34.


## 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](http://www.android.com/market).




## Voicemail


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

## Text entry


*think keyboard, now think smaller*

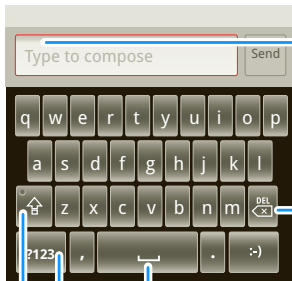
### Typing tips

To...	
Enter <b>alternate</b> characters	Tap Alternate 
Enter <b>capital</b> letters	Tap Shift 
<b>Cut</b> or <b>Copy</b> selected text	Tap and hold text > <b>Cut</b> or <b>Copy</b>
<b>Paste</b> cut or copied text	Tap and hold > <b>Paste</b>
<b>Delete</b> a character (hold to delete a line)	Tap Delete 

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

Tap to type a message.

### Delete

### Shift

### Space

### 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**.

## Text entry settings

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

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








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




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



## Tips & tricks





a few handy hints

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

To...	
Show <b>last few apps</b> used	Press and hold Home  .
<b>Turn sound on/off</b>	Press and hold Power  > <b>Silent mode</b> .
Turn <b>airplane mode</b> on/off	Press and hold Power  > <b>Flight mode</b> .

## Battery tips

Want to extend your battery life? Try these:

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

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

## Personalize

*add your personal touch*

### Widgets

To create a new widget:

- 1 Find an empty spot on your home screen where you want to add a widget, then tap and hold.

**Tip:** You can flick left or right to open other panels on your home screen.

- 2 Tap **Widgets**.

- 3 Tap the type of widget. If necessary, enter the widget settings.

You can personalize widgets with content that you choose.

### 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**


## Display settings

features


### set display brightness

Menu  > **Settings** > **Sound & display**  
> **Brightness**

### set orientation

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

### set animation

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


## Date & time

Set date, time, time zone, and formats:

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

## Language & region

Set menu language and region:

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


## Photos & videos

*see it, capture it, share it!*

### Photos


#### Take & share photos

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

**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:

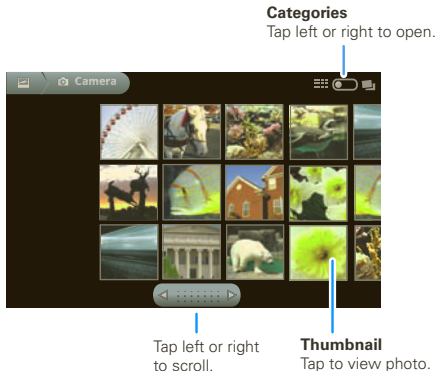
options	
<b>Scenes</b>	Choose from <b>Auto, Portrait, Landscape</b> and more.
<b>Flash</b>	Choose from <b>Flash On, Flash Off,</b> and Auto Flash.
<b>Brightness</b>	Tap - or + to change the brightness setting.
<b>Capture mode</b>	Choose from <b>Camera, Camcorder, Self Portrait and more.</b>
<b>View</b>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

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

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

## View your photos

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



## Play a slideshow

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**.

## Videos


### Record & share videos

**Find it:** Press  >  **Camcorder**



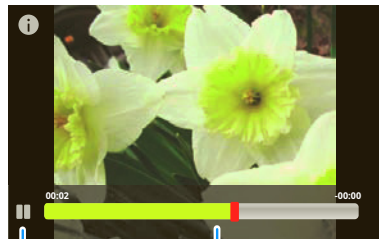
**Tip:** To send your video in a message, set the video quality to **Low (for MMS messages)** by pressing Menu  > **Settings > Video resolution.**

**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 Album**



Video Controls

Progress Bar

**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.

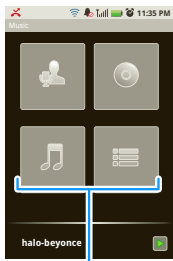
## Music

when music is what you need...

### Quick start: Music

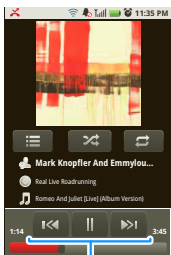
Tap, tap, play—instant music. Just open your music library, then select what you want to play.

**Find it:** Home  >  >  **Music**




#### Categories

Tap a category, then tap a song or playlist.



#### Music Controls

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

## Set up music

### What music transfer tools do I need?

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

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

### You need a memory card

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

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

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

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

- 2 Your phone shows a USB connection dialog, at the top of the screen. Flick down, then tap **USB**

**connection.** You can’t use the files on your memory card while it is connected.

- 3 Tap **Mount** (if asked) to connect your memory card.
- 4 Find “Removable Device” (your memory card) in the “My Computer” window.
- 5 Drag and drop your music to a folder on your memory card.  
**Tip:** To help manage your music, create a “Music” folder on your memory card.
- 6 When you’re done, use the “Safely Remove Hardware” feature to finish.

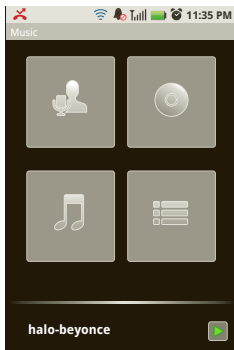
## Play music

### Music library

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




Find it: Home  >  >  **Music**



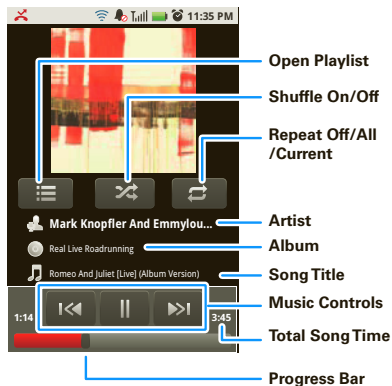
### Categories

Tap to list songs or playlists.



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

## Music player

Just tap a song or playlist to get going.





## Music player controls


controls	
<b>play/pause</b>	Tap  .
<b>previous/next</b>	Tap  .

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

### Hide, wake, turn off

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

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

To turn off your music tap .

### Playlists

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

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

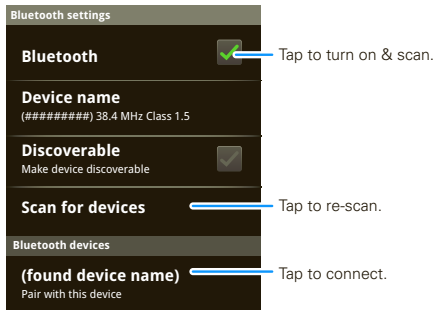
To edit, delete and rename playlists, tap and hold the playlist, in the music library.

## Bluetooth® wireless


*lose the wires and go wireless*

### Quick start: Bluetooth wireless

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



### Turn Bluetooth power on or off

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

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

### Connect new devices

**Note:** This feature requires an optional accessory.

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

2 Press Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings**.

3 Tap **Bluetooth** to turn on and scan. If Bluetooth is already on, tap **Scan for devices**.

4 Tap a device to connect.

5 If necessary, tap **OK**, or enter the device passkey (like **0000**) to connect to the device. When the device is connected, the Bluetooth indicator  appears in the status bar.

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


## Reconnect devices

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


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

## Disconnect devices

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

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

## Edit properties

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

## Wi-Fi®

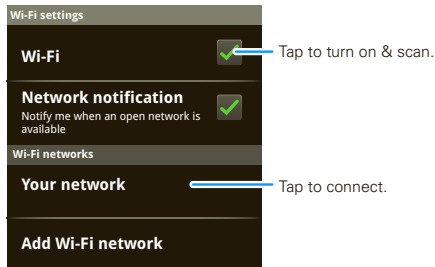
*home, office, or hotspot*

### Quick start: Wi-Fi

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

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

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







## Turn Wi-Fi on or off

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

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

## Wi-Fi search & connect

To find networks in your range:

- 1 Press Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings**.
- 2 Tap **Wi-Fi** to turn on and scan. If Wi-Fi is already on, press Menu  > **Scan**. Your phone lists the networks it finds within range.  
**Tip:** To see your phone's MAC address or other Wi-Fi details, press Menu  > **Advanced**.
- 3 Tap a network to connect.
- 4 If necessary, enter **Network SSID**, **Security**, and **Wireless password**, and tap **Connect**. When your phone is connected to the network, the wireless indicator  appears in the status bar.


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

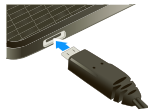
## USB & memory card

*connect your phone and computer, then drag & drop*

### USB drag & drop

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

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



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

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


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

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

## Memory card

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

### Remove or format your memory card

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

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

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

## Tools


*stay on top of things*

### Alarm clock

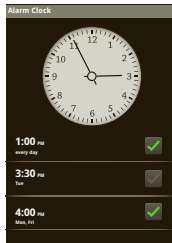
**Find it:** Home  >  >  **Alarm Clock**

To turn on an alarm, tap the check box.

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



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

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



### Calculator

**Find it:** Home  >  >  **Calculator**

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

## Management

*stay in control*

### Wireless manager


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

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

### Airplane mode


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

### Update my phone

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

### Network

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

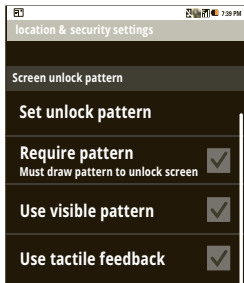
Press Menu  > **Settings** > **Wireless & networks** > **Mobile networks** to show options for roaming networks, network selection, operator selection, and access point names.

## Security

*help keep your phone safe*

### Quick start: Security


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



### Screen lock

**Note:** You can make emergency calls on a locked phone (see “Emergency calls” on page 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 .

### Set unlock pattern

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


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

### Lock your SIM

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

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

### Change SIM PIN

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

### PUK code

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

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

### Forgot your pattern or passcode?

If you forget your pattern or passcode, 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](http://www.motorola.com/repair) (United States) or [www.motorola.com/support](http://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.

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

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

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

- [www.motorola.com/recycling](http://www.motorola.com/recycling)
- [www.rbrc.org/call2recycle/](http://www.rbrc.org/call2recycle/) (in English only)

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

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



## Battery 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](http://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](http://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:

Symbol	Definition
	Important safety information follows.

Symbol	Definition
	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.
	For indoor use only.
	Listening at full volume to music or voice through a headset may damage your hearing.

## 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](http://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 Fact 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



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](http://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:xxxxxx on the product label.**

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2)

this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19(3).

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

## 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](mailto: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](http://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](http://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](http://opensource.motorola.com) also contains information regarding Motorola's use of open source.

Motorola has created the [opensource.motorola.com](http://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:

[www.motorola.com/us/productregistration](http://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.

## 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

Products Covered	Length of Coverage
<b>Products and Accessories</b> as defined above, unless otherwise provided for below.	<b>One (1) year</b> from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
<b>Decorative Accessories and Cases.</b> Decorative covers, bezels, PhoneWrap™ covers and cases.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.
<b>Monaural Headsets.</b> Ear buds and boom headsets that transmit mono sound through a wired connection.	<b>Limited lifetime warranty</b> for the lifetime of ownership by the first consumer purchaser of the product.
<b>Products and Accessories that are Repaired or Replaced.</b>	<b>The balance of the original warranty or for ninety (90) days</b> 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
<b>Software.</b> Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	<b>Ninety (90) days</b> 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

<b>USA</b>	<b>All Products, Accessories, and Software:</b> 1-800-331-6456
<b>Canada</b>	<b>All Products:</b> 1-800-461-4575
<b>TTY</b>	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

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