

EN



**MOTOROLA**

MOTOROLA **DEFY™ XT**

U.S. Cellular Customer Care:  
1-888-944-9400

LIFE.  POWERED.



# CONGRATULATIONS

## MOTOROLA DEFY XT

Your MOTOROLA **DEFY XT** is the smartphone that keeps up with you, rain or shine.

- **Lifeproof:** Your phone is water-resistant, dustproof, and has a scratch-resistant display.
- **Dashboard:** Easy access to Compass, Connected Music Player, Pedometer, and Weather. See “**DASHBOARD**” on page 11.
- **Extended battery life:** So you have longer to use your phone outdoors.

**Note:** Certain apps and features may not be available in all countries.

**Caution:** Before assembling, charging, or using your phone for the first time, please read the important safety, regulatory and legal information provided with your product.

**SAR** This product meets the applicable limit for exposure to radio waves (known as SAR) of 1.6 W/kg (FCC & IC). The limits and guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The highest SAR values measured for this device are

listed in the regulatory information packaged with your product.

## WANT MORE?

More help, more accessories, more free stuff. We're here to help.

- **Updates:** Phone updates, PC software, user's guides, online help, and more at [www.motorola.com/support](http://www.motorola.com/support).
- **Accessories:** Find more for your phone at [www.motorola.com/products](http://www.motorola.com/products).
- **Social:** The latest news, tips & tricks, videos, and so much more—join us on:



**YouTube™** [www.youtube.com/motorola](http://www.youtube.com/motorola)



**Facebook™** [www.facebook.com/motorola](http://www.facebook.com/motorola)



**Twitter** [www.twitter.com/motomobile](http://www.twitter.com/motomobile)

# YOUR PHONE

*the important keys & connectors*





**Note:** To help protect your phone, always make sure that the battery cover and any connector covers are closed and secure.

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# LET'S GO

*let's get you up and running*

## ASSEMBLE & CHARGE

1 Cover off



2 microSD in



3 Battery in



4 Cover on



5 Charge up





**Caution:** Please read “**BATTERY USE & SAFETY**” on page 35.



## SET UP & GO

**Note:** This phone supports apps and services that use a lot of data, so make sure your data plan meets your needs. Contact your service provider for details.

When you turn on your new phone, create or enter a Google™ account so that you can download apps, use Gmail™, and more:

- 1 Press and hold Power  to turn on your phone.
- 2 Touch the Android™ image to begin setup.
- 3 Touch a button to **Create** a Google account, **Sign in** with one you have, or **Skip**.
- 4 When your phone confirms the account, it shows account sync options.
  - To change whether your phone shows the Google account's contacts, Gmail™, and calendar, touch the Google account name.
  - To add another account, touch **Add account**. For details, see "**EMAIL**" on page 19.
  - To exit setup, touch Home .



If your phone cannot connect, touch Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings** to change mobile network settings.

## STANDS UP TO LIFE

Your phone stands up to water, dust and life, because accidents happen. Now your investment is safe and protected from life's little challenges like that sudden rain shower and other everyday mishaps.


Of course, your phone isn't indestructible, so to avoid damage from natural elements, such as water, sand and dust intrusion, always make sure that the battery door cover and connector covers are closed and secure.


If your phone gets wet and/or dirty:

- Wipe with a soft cloth and shake to remove excess water from the entire phone, especially the display screen, speaker and microphone ports.
- Allow your phone to air-dry for at least 1 hour before using it again.
- Always make sure to clean all dirt and debris from the battery door cover/seals and connector covers.

**Note:** Your phone is not designed to float, or work underwater.

## SLEEP & WAKE UP

Your screen sleeps when you hold it to your ear during a call, or when it is inactive. To change the sleep delay, touch Menu  > **Settings** > **Display** > **Screen timeout**.


To **lock** the screen, press Power .

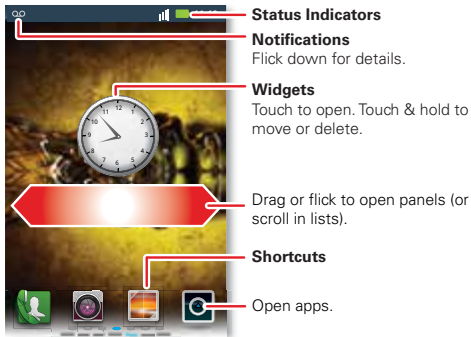
To **unlock** the screen, drag  to .


# HOME SCREEN & APPS


*a few essentials*


## QUICK START: HOME SCREEN

You'll see the home screen when you turn on the phone or touch Home  from a menu:




- To open shortcuts or widgets, **touch** them. Touch Home  to return to the home screen.


When you open shortcuts or widgets, touch Menu  for options.


- To move or delete a shortcut or a widget, **touch and hold** it until you feel a vibration, then drag it to another spot, another panel, or  at the top.

In lists, like **Contacts**, touch and hold a list item for options.

- To add shortcuts, widgets, or wallpaper, touch and hold an empty spot until you see the menu. You can also add a folder to organize your shortcuts.
- To show more panels, **drag** or **flick** right or left. Touch Home  to show panel thumbnails.

In lists, like **Contacts**, drag or flick to scroll.

To change your ringtone, display brightness, and more, touch Menu  > **Settings** > **Sound** or **Display**. For details, see “**PERSONALIZE**” on page 14.

**Tip:** From the home screen, touch Menu  > **Themes** to design different home screens for **Work**, **Home**, or **Weekend**. Your changes are stored in each profile.

## DASHBOARD

Your dashboard shows apps and a pedometer that reports your run time, steps, and calories burned—it's the ideal fitness companion.

Touch  >  **DashBoard**.





Drag or flick to see other apps.

Start/Stop/Save pedometer record.

To change app that is shown.


**Shortcuts**


**Note:** To set the pedometer, touch Menu  > **Settings** > **Height and Weight**, then enter your details.




To view or share your records, touch Menu  > **My Record** or **Share**.

## APPS

To show your **apps**, touch .


- To scroll, flick up or down.
- To open an app, touch it.
- To close the app menu, touch Back .

**Tip:** To see the last few apps you used, touch and hold Home .

To **download** new apps, touch  **Play Store**. Touch Search  to find an app, or touch **Downloads** to show or reinstall the apps you downloaded. To download apps from websites, you need to change your security settings: Touch Menu  > **Settings** > **Applications** > **Unknown sources**.

**Tip:** Choose your apps and updates carefully, from trusted sites like Google Play™ Store as some may impact your phone's performance.

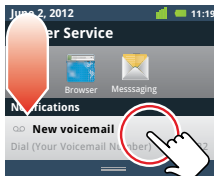
**Note:** When installing an app, make sure you read the alerts that tell you what information the app will access. If you don't want the app to have access to this information, cancel the installation.

To **move or uninstall** your apps, touch Menu  > **Settings** > **Applications** > **Manage applications**. Touch an app in the list to show details and options.

On your computer, you can browse and manage apps for all your devices powered by Android™ at <http://play.google.com>.

## PHONE STATUS & NOTIFICATIONS

In the status bar at the top of your screen, the right side shows phone status. The left side shows new messages or events (for details, flick the bar down).




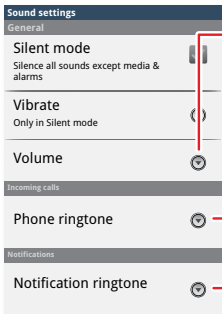
	network strength		battery strength
	new voicemail		new text message
	Bluetooth™ on		Bluetooth connected
	Wi-Fi connected		airplane mode
	USB connected		alarm set
	silent ringer		silent ringer, vibrate on
	mute call		speakerphone

# PERSONALIZE

*add your personal touch*

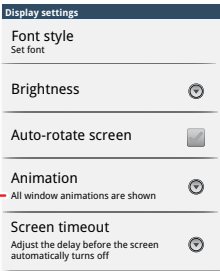
## QUICK START: PERSONALIZE

From the home screen, touch Menu  > **Settings** > **Sound** or **Display**.



Choose separate volume settings for incoming calls, media, alarms, and notifications.

### Call & Message Notifications




Turn on or off menu animations.









- **Home screen:** To add widgets, shortcuts, or wallpaper, touch and hold an empty spot until you open the **Add to Home screen** menu. To move or delete widgets or shortcuts, touch and hold



them—then drag them to another spot, another panel, or the trash can.

- **Ringtones & display:** Touch Menu  > **Settings** to choose **Sound**, **Display**, and more.
- **Volume:** To change your ringtone volume from the home screen, just press the volume keys.

## SOUNDS

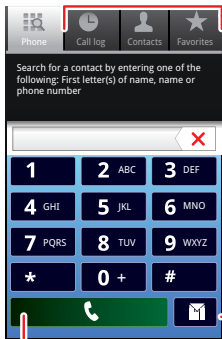
- Change your **ringtone and notifications:** touch Menu  > **Settings** > **Sound**. To use a song as a ringtone, touch  > **Music+** > **My Music** > **Songs**, touch and hold the song name, then touch **Set as ringtone**.
- Change your **new message notification:** touch  > **Messaging** > Menu  > **Settings** > **Select ringtone**.
- Set a **ringtone for a contact:** touch  **Dialer** > **Contacts**, touch the contact, then touch Menu  > **Options** > **Ringtone**.
- Set volume for **media:** touch Menu  > **Settings** > **Sound** > **Volume**.
- Play sound on **screen selection:** touch Menu  > **Settings** > **Sound** > **Audible selection**.

# CALLS

*it's good to talk*

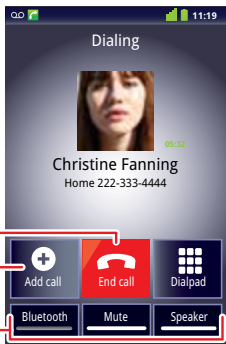
## QUICK START: CALLS

From the home screen, touch  **Dialer**.



Open a list, then touch an entry to call.

Hide the dialpad.



Call.


Hang up.

Start a conference call.

Switch to a Bluetooth headset, mute, or use the speaker.

## EMERGENCY CALLS

**Note:** Your service provider programs one or more emergency phone numbers 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 Touch  **Dialer** (if your phone is locked, then touch **Emergency Call**).
- 2 Enter the emergency number.
- 3 Touch **Call** to call the emergency number.

**Note:** Your phone can use location based services (GPS and AGPS) to help emergency services find you. See “Location Services” in your legal and safety information.


## COOL DOWN

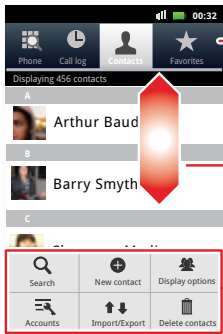
In very limited circumstances, such as where your phone has been exposed to extreme heat, you may see “Cool Down” messages. To avoid possible damage to your battery and phone, you should follow these instructions until the phone is within its recommended temperature range. When your phone is in “Cool Down” mode, only emergency calls can be made.

# CONTACTS

*contacts like you've never had before*


## QUICK START: CONTACTS









From the home screen, touch  **Dialer** > **Contacts**.



Switch to the dialer, recent calls, favorites or groups.

Drag or flick to scroll.


Touch  to search, create, and more.

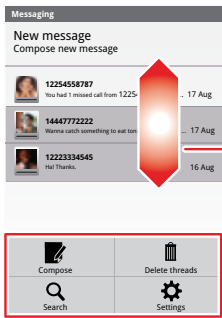
- To **create** a contact, touch  **Dialer** > **Contacts** > Menu  > **New contact**.
- To **call**, **text**, or **email** a contact, touch  **Dialer** > **Contacts**, touch the contact, then touch  (call),  (text), or  (email).
- To **edit** or **delete** a contact, touch  **Dialer** > **Contacts**, touch the contact, then touch Menu .

# MESSAGING


*sometimes it's best to text or email...*

## QUICK START: TEXT MESSAGING

From the home screen, touch  **Messaging**.



Drag or flick to scroll.



Touch  to change settings and more.

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

## EMAIL

- To **set up Google** or **Corporate** (Microsoft™ Exchange server) accounts, touch Menu  > **Settings** >



**Accounts & sync > Add account.** For details, contact the account provider.


To set up standard email accounts (not Gmail™ or Microsoft™ Exchange), touch  >  **Email** and follow the wizard.

- To **open** email, touch  >  **Email** or  **Gmail**. Touch a message to open it.
- To **create** an email, touch  >  **Email** or  **Gmail**, then touch Menu  > **Compose**.

**Gmail** synchronizes with your Google™ account mail, which you can open from any computer at <http://mail.google.com>.

## VOICEMAIL

When you have a new voicemail,  shows in the status bar at the top of your screen. To hear voicemails, touch  **Dialer** then touch and hold **1**.

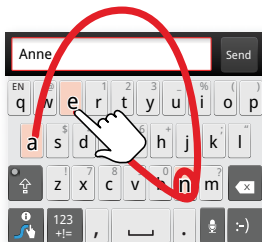
If you need to change your voicemail number, in the home screen touch Menu  > **Settings** > **Call settings** > **Voicemail settings**. For your voicemail number or other details, contact your service provider.

# TEXT ENTRY

*keys when you need them*

## SWYPE

**Swype** lets you drag your finger over the letters of a word, in one continuous motion.



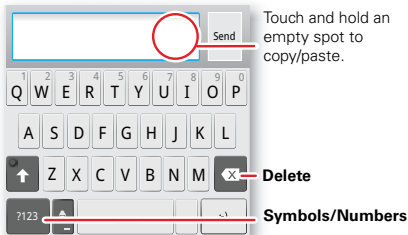
To enter a word, just trace a path through the letters.

To capitalize, go above the keyboard.

For double letters, circle the letter.

## ANDROID KEYBOARD

**Multi-touch** or Android keyboard lets you type one letter at a time.



## SWITCH KEYBOARDS


To change the keyboard, touch and hold a blank spot in a text box. A menu opens, where you can choose **Input Method** > **Eyes-Free keyboard** (for visually impaired), **Multi-touch keyboard** or **Swype**.

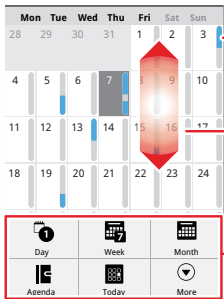


# SCHEDULE

helping you stay in control


## QUICK START: SCHEDULE

From the home screen, touch  **Calendar**.




Color indicates events.

Drag or flick to scroll.


Touch  to choose the calendar view. Choose **More** to create an event or change settings.

## ALARM CLOCK

To set an alarm, touch  >  **Clock**, then touch .

- To turn an alarm **on** or **off**, touch  next to it.
- To **add** an alarm, touch **Add alarm**, then enter details.

When an alarm sounds, touch **Dismiss** or **Snooze**.

**Tip:** To set the date, time, time zone, and formats, touch Menu  > **Settings** > **Date & time**.

# WEB

*surf the web with your phone*

## QUICK START: WEB

From the home screen, touch  **Browser**.





**Note:** Your phone automatically uses your mobile phone network to connect to the web. Your service provider may charge to surf the web or download data. If you can't connect, contact your service provider.

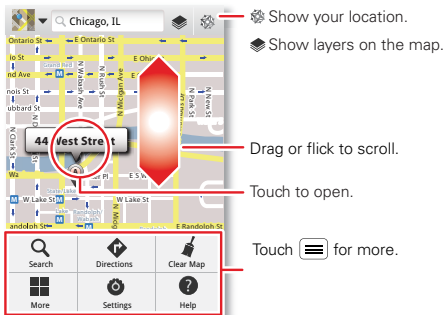
**Tip:** You can connect to the web with "**WI-FI**" on page 32.

# LOCATION

*where you are, and where you're going*

## QUICK START: LOCATION

From the home screen, touch  >  **Maps**.



## GOOGLE MAPS™ WITH NAVIGATION (BETA)

Google Maps™ with Navigation (Beta) is an Internet-connected GPS navigation system with voice guidance.


To open navigation, touch  >  **Navigation**. Follow the prompts to speak or type your destination.

For more, go to [www.google.com/mobile/navigation](http://www.google.com/mobile/navigation).

## YOUR NAVIGATOR DELUXE

With **Your Navigator Deluxe**, get all of the features of an advanced, GPS-enabled voice turn-by-turn car navigation system on your phone. Search for any destination including gas stations, ATMs, restaurants, and more. Get detailed maps of any location.

**Find it:** Touch  >  **Your Navigator Deluxe**

**Note:** Before using **Your Navigator Deluxe**, turn on the location and GPS features. Touch Menu  **Settings** > **Location & security**, and turn on **Use wireless networks** and **Use GPS satellites**.



From the Your Navigator Deluxe home screen you can select:

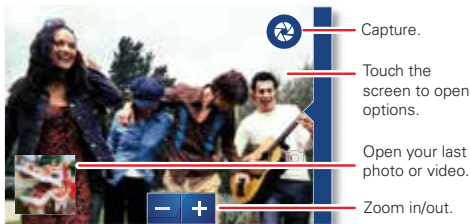
- **Drive To** for turn by turn direction to an address, airport, contacts addresses and more;
- **Places** to search for nearby businesses, the cheapest gas prices and more;
- **Maps & Traffic** to see where you currently are located on a map and what traffic is in the area.

# PHOTOS & VIDEOS

*see it, capture it, share it!*


## QUICK START: PHOTOS & VIDEOS

From the home screen, touch  >  **Camera**.



- To **send** or **post** the photo or video, touch **Menu** > **Share**.



To use a Bluetooth or cable connection, see “**CONNECTIONS**” on page 30.

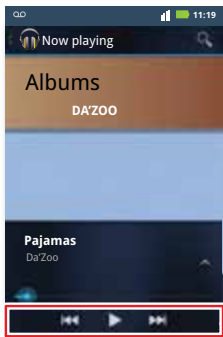
- To **delete** the photo or video, touch **Menu** > **Delete**.
- To **set** a photo as your wallpaper or a contact photo, touch **Menu** > **More** > **Set as**.
- To **crop** or **rotate** a photo, touch **Menu** > **More**.
- To **play** a video, touch .

# MUSIC

*when music is what you need...*



## QUICK START: MUSIC

From the home screen, touch  >  **Play Music**, then choose a song to play it:



Music Controls

You can use your phone's 3.5mm headset jack to connect wired headphones, or go wireless with a Bluetooth headset in "**CONNECTIONS**" on page 30.

To listen to FM **radio** stations, Plug in a 3.5mm headset and touch  >  **FM Radio**. Your phone uses the headset wire as the radio antenna.

## **MUSIC FILES**

To get songs for your music player, you can download them from online services or copy them from your computer. Your music player can play these file formats: MP3, M4A, AAC, AAC+, MIDI, WAV, or OGG Vorbis.

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


To copy files **from your computer** to your phone, you can use “**CONNECTIONS**” on page 30.

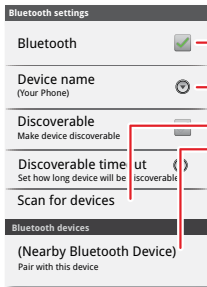
To **save a CD** on your computer (“rip” the CD), you can use a program like Microsoft™ Windows™ Media Player. First, make sure you change the format to MP3 (under Rip > Format in Windows Media Player).

# CONNECTIONS

home, office, or hotspot

## QUICK START: CONNECTIONS

From the home screen, touch Menu  > **Settings** > **Wireless & networks**, then **Bluetooth settings** or **Wi-Fi settings**.

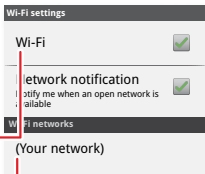


Turn Bluetooth power on & scan, or turn off.

Change your phone's Bluetooth device name.

Re-scan.

Connect a device found by the scan.



Turn Wi-Fi power on & scan, or turn off.

Connect a network found by the scan.

## BLUETOOTH™

To connect **Bluetooth devices**, touch Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings** >



**Scan for devices** (or touch **Bluetooth**, if it is off). Touch a device that your phone found, to connect it.



## BLUETOOTH DEVICES

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

You can connect your phone to a Bluetooth device for handsfree calls, file transfers, and more:

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

**Note:** For questions about a Bluetooth device, check the manufacturer's manual or website.


- 2 Touch Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings**.
- 3 Touch **Scan for devices** (or touch **Bluetooth** if it is turned off). Your phone scans, and lists nearby devices.
- 4 Touch a device to connect.
- 5 If necessary, touch **Pair** or enter the device passkey (like **0000**) to connect to the device. When the device is connected, the Bluetooth connected indicator  appears in the status bar.

To reconnect a device you've connected before, just turn it on.


To disconnect a device, just turn it off.

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

## WI-FI

To connect **Wi-Fi networks**, touch Menu  > **Settings** > **Wireless & networks** > **Wi-Fi settings** (touch **Wi-Fi**, if it is off). Touch a network that your phone found, to connect it.

## WI-FI HOTSPOT

To make your phone a **hotspot** that other devices can use to connect to the Internet, touch Menu  > **Settings** > **Wireless & networks** > **Tethering & portable hotspot**. Then, choose to enable **USB tethering** or **Portable Wi-Fi hotspot**.

**Note:** Keep it secure. To protect your phone and hotspot from unauthorized access, it is strongly recommended that you set up hotspot **Security** (**WPA2** is the most secure).


## WI-FI MODES


For those who like to get a bit more technical, your phone supports the following Wi-Fi modes:  
802.11b, g, n.

# SECURITY

*help keep your phone safe*


## QUICK START: SECURITY

From the home screen, touch Menu  > **Settings** > **Location & security**.

To set a **lock pattern**, **PIN**, or **password**, touch Menu  > **Settings** > **Location & security** > **Set up screen lock**. Follow the prompts to enter and confirm the pattern, PIN, or password.

**Note:** You can make emergency calls on a locked phone (“**CONTACTS**” on page 18). A locked phone still rings, but you need to unlock it to answer.

## RESET


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

**Warning:** All downloaded apps and user data on your phone will be deleted.

# TROUBLESHOOTING

*we're here to help*

## CRASH RECOVERY

In the unlikely event that your phone stops responding to touches and key presses, try a quick reset. Press and hold Power , then touch **Restart**, or remove the back cover and battery (“**ASSEMBLE & CHARGE**” on page 6), then replace and turn on your phone as usual.

## 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), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

## Battery Use & Safety

The following battery use and safety information applies to all Motorola mobile devices. If your mobile device uses a non-removable main battery (as stated in your product information), details related to handling and replacing your battery should be disregarded—the battery should only be replaced by a Motorola-approved service facility, and any attempt to remove or replace your battery may damage the product.

**Important: Handle and store batteries properly to avoid injury or damage.** Most battery safety 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 use tools, sharp objects, or excessive force to insert or remove the battery as this can damage the battery.**
- **Don't let the mobile device or battery come in contact with liquids.\*** Liquids can get into the mobile device's circuits, leading to corrosion.
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your mobile device or battery near a heat source.\*** High temperatures can cause the battery to swell, leak, or malfunction.
- **Don't dry a wet or damp battery with an appliance or heat source,** such as a hair dryer or microwave oven.

### DOs

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

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

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

If you see a message on your display such as **Invalid Battery** or **Unable to Charge**, take the following steps:

- Remove the battery and inspect it to confirm that it has a "Motorola Original" hologram;
- If there is no hologram, the battery is not a Motorola battery;
- If there is a hologram, replace the battery and try charging it again;
- If the message remains, contact a Motorola authorized service center.

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

**Proper and safe battery disposal and recycling:** Proper battery disposal is not only important for safety, it benefits the environment. You can recycle your used batteries in many retail or service provider locations. Additional information on proper disposal and recycling can be found at [www.motorola.com/recycling](http://www.motorola.com/recycling)

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



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

## Battery Charging

**Notes for charging your product's battery:**

- During charging, keep your battery and charger near room temperature for efficient battery charging.
- New batteries are not fully charged.
- New batteries or batteries stored for a long time may take more time to charge.
- Motorola batteries and charging systems have circuitry that protects the battery from damage from overcharging.

## Third Party Accessories

Use of third party accessories, including but not limited to batteries, chargers, headsets, covers, cases, screen protectors and memory cards, may impact your mobile device's performance. In some circumstances, third party accessories can be dangerous and may void

your mobile device's warranty. For a list of Motorola accessories, visit [www.motorola.com/products](http://www.motorola.com/products)

## Driving Precautions

Responsible and safe driving is your primary responsibility when behind the wheel of a vehicle. Using a mobile device or accessory for a call or other application while driving may cause distraction, and may be prohibited or restricted in certain areas—always obey the laws and regulations on the use of these products.

### **While driving, NEVER:**

- Type, read, enter or review texts, emails, or any other 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” at [www.motorola.com/callsmart](http://www.motorola.com/callsmart) (in English only).

## Seizures, Blackouts & Eyestrain

To reduce eyestrain and avoid headaches, it is always a good idea to hold the screen a comfortable distance from your eyes, use in a well-lit area, and take frequent breaks. Some people may be susceptible to seizures or blackouts (even if they have never had one before) when exposed to flashing lights or light patterns, such as when playing video games, or watching videos with flashing-light effects.

Discontinue use and consult a physician if any of the following symptoms occur: seizures, blackout, convulsion, eye or muscle twitching, loss of awareness, or disorientation.

If you or someone in your family has experienced seizures or blackouts, please consult with your physician before using an application that produces flashing-light effects on your mobile device.

# Caution About High Volume Usage

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

- Limit the amount of time you use headsets or headphones at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

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

For more information about hearing, see our website at

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

## 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.

**Supervise access for older children.** Similar to a computer, if an older child does use your mobile device, you may want to monitor their access to help prevent:

- Exposure to inappropriate apps or content.
- Improper use of apps or content.
- Loss of data.

## Glass Parts

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



# Operational Warnings

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







## Potentially Explosive Areas


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

When you are in such an area, turn off your mobile device, and do not remove, install, or charge batteries, unless it is a radio product type especially qualified for use in such areas and certified as "Intrinsically Safe" (for example, Factory Mutual, CSA, or UL approved). In such areas, sparks can occur and cause an explosion or fire.

## Symbol Key

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

Symbol	Definition
	Important safety information follows.
	Do not dispose of your battery or mobile device in a fire.
 	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Do not dispose of your battery or mobile device with your household waste. See "Recycling" for more information.
	Do not use tools.

Symbol	Definition
	For indoor use only.

## Radio Frequency (RF) Energy

### Exposure to RF Energy

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

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

### RF Energy Operational Precautions

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

- When placing or receiving a phone call, hold your mobile device just like you would a landline phone.
- If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved accessory (e.g. clip, holder, holster, case or arm band). If you do not use a body-worn accessory supplied or approved by Motorola, ensure that whatever product is used is free of any metal and that it positions the mobile device at least 2.5 cm (1 inch) away from the body.
- Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our website at: [www.motorola.com](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, such as hospitals or health care facilities.

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.

## Medical Devices

If you have a medical device, including an implantable medical device such as a pacemaker or defibrillator, consult your healthcare provider and the device manufacturer's directions 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.

## Regulatory Information

Your Motorola mobile device is designed to comply with national and international regulatory requirements. For full compliance statements and details, please refer to the regulatory information in your printed product guide.

## Specific Absorption Rate (FCC & IC)

### **YOUR MOBILE DEVICE MEETS FCC AND IC LIMITS FOR EXPOSURE TO RADIO WAVES.**

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

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

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

Head SAR	CDMA 1900, Wi-Fi, Bluetooth	1.48 W/kg
Body-worn SAR	CDMA 1900, Wi-Fi, Bluetooth	1.45 W/kg

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

If you are interested in further reducing your RF exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body. Additional information can be found at [www.motorola.com/rfhealth](http://www.motorola.com/rfhealth).

## FCC Notice to Users

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. See 47 CFR Sec. 15.105(b). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

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

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

For products that support Wi-Fi 802.11a (as defined in your product information): This device is restricted to indoor use when operating in the 5.15 to 5.25 GHz (802.11a) Wi-Fi frequency band.

## Industry Canada Notice to Users

This device complies with Industry Canada license-exempt RSS standard(s). 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.

## Software Notices

**Warning against unlocking the bootloader or altering a product's operating system software:** Motorola strongly recommends against altering a product's operating system, which includes unlocking the bootloader, rooting a device or running any operating software other than the approved versions issued by Motorola and its partners. Such alterations may permanently damage your product, cause your product to be unsafe and/or cause your product to malfunction. In such cases, neither the product nor any damage resulting therefrom will be covered by warranty.

**Important FCC information:** You must not make or enable any changes to the product that will impact its FCC grant of equipment authorization. The FCC grant is based on the product's emission, modulation, and transmission characteristics, including: power levels, operating frequencies and bandwidths, SAR levels, duty-cycle, transmission modes (e.g., CDMA, GSM), and intended method of using the product (e.g., how the product is held or used in proximity to the body). A change to any of these factors will invalidate the FCC grant. It is illegal to operate a transmitting product without a valid grant.

## Location Services

The following information is applicable to Motorola mobile devices that provide location based functionality. Location sources can include GPS, AGPS and Wi-Fi.

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 mobile device can also use *Wi-Fi* signals to determine your approximate location, using information from known and available Wi-Fi networks.

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

## Emergency Calls

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

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

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the phone for as long as the emergency responder instructs you.

## Navigation

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

When using navigation features, note that mapping information, directions and other navigational data may contain inaccurate or incomplete data. In some countries, complete information may not be available. Therefore, you should visually confirm that the navigational instructions are consistent with what you see. All drivers should pay attention to road conditions, closures, traffic, and all other factors that may impact driving. Always obey posted road signs.

# Privacy & Data Security

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

- **Monitor access**—Keep your mobile device with you and do not leave it where others may have unmonitored access. Use your device's security and lock features, where available.
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device's security, install it as soon as possible.
- **Secure Personal Information**—Your mobile device can store personal information in various locations including your SIM card, memory card, and phone memory. Be sure to remove or clear all personal information before you recycle, return, or give away your device. You can also backup your personal data to transfer to a new device.  
**Note:** For information on how to backup or wipe data from your mobile device, go to [www.motorola.com/support](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 and updates**—Choose your apps and updates carefully, and install from trusted sources only. Some apps can impact your phone's performance and/or have access to private information including account details, call data, location details and network resources.
- **Wireless**—For mobile devices with Wi-Fi features, only connect to trusted Wi-Fi networks. Also, when using your device as a hotspot (where available) use network security. These precautions will help prevent unauthorized access to your device.
- **Location-based information**—Mobile devices enabled with location based technologies such as GPS, AGPS or Wi-Fi, can transmit location-based information. See "Location Services" for more details.
- **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

Your mobile device is designed to resist damage from exposure to certain rugged conditions, as stated in your product information. However, to help care for your mobile device avoid prolonged or extreme exposure to those conditions and please observe the following:



### protection

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



### drying

Don't try to dry your mobile device using a microwave oven, conventional oven, or dryer, as this may damage the mobile device.



### cleaning

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

## 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) (in English only).

There is no special handling required by consumers.

## Hearing Aid Compatibility with Mobile Phones

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

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

The wireless telephone industry has developed ratings for some of their mobile phones, to assist hearing device users in finding phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label on the box. To maintain the published Hearing Aid Compatibility (HAC) rating for this mobile phone, use only the original equipment battery model.

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

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

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

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

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

## Software Copyright

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

## Content Copyright

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

## Open Source Software Information

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

MOTOROLA MOBILITY, INC.

OSS Management

600 North US Hwy 45

Libertyville, IL 60048

USA

The Motorola website [opensource.motorola.com](http://opensource.motorola.com) (in English only) 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 information**

> **Open source licenses**. In addition, this Motorola device may include self-contained applications that present supplemental notices for open source packages used in those applications.

## Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

## Product Registration

Online Product Registration:

[www.motorola.com/us/productregistration](http://www.motorola.com/us/productregistration) (in English only)

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 product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

## Service & Repairs

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

Go to [www.motorola.com/repair](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), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

## How to Obtain Service or Other Information

1. Please access and review the online Customer Support section of Motorola's consumer website prior to requesting warranty service.
2. If the Product is still not functioning properly after making use of this resource, please contact the Warrantor listed at the Motorola website or the contact information for the corresponding location.
3. A representative of Motorola, or of a Motorola Authorized Repair Center, will help determine whether your Product requires service. You may be required to download, or otherwise obtain and accept software updates from Motorola or a Motorola Authorized Repair Center. You are responsible for any applicable carrier service fees incurred while obtaining the required downloads. Complying with the warranty process, repair instructions and accepting such software updates is required in order to receive additional warranty support.
4. If the software update does not fix the problem, you will receive instructions on how to ship the Product to a Motorola Authorized Repair Center or other entity.
5. To obtain warranty service, as permitted by applicable law, you are required to 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) your address and telephone number. In the event the Product is not covered by the Motorola Limited Warranty, Motorola will inform the consumer of the availability, price and other conditions applicable to the repair of the Product.

**To obtain service or other information, please access and review the online Customer Support section of Motorola's consumer website at [www.motorola.com](http://www.motorola.com).**

## Motorola Mobility Inc. Limited Global Warranty Mobile Phones

**Note: This Limited Warranty is not applicable in Quebec, Canada.**

**FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS LIMITED WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS.**

## Who is Covered?

This Limited Warranty extends only to the first consumer purchaser of the Product, and is not transferable.

## What Does this Limited Warranty Cover?

Motorola Mobility Inc. or its subsidiaries' warranty obligations are limited to the terms and conditions set forth herein. Subject to the exclusions contained below, Motorola Mobility Inc or its subsidiaries ("Motorola") warrant this Mobile Phone, and any in-box accessories which accompany such Mobile Phone ("Product") against defects in materials and workmanship, under normal consumer use, for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser, or the period of time required by the laws of the country where the Product is purchased, whichever is longer ("Warranty Period").

Repairs made under this Limited Warranty are covered for the balance of the original Warranty Period, or 90 days from the date of service, whichever is longer. Any upgrade to the original product will be covered only for the duration of the original Warranty Period.

This Limited Warranty is only available in the country where the Product was purchased.

Motorola may provide service outside the country of purchase, to the extent that it is possible and under the terms and conditions of the country of purchase.

This Limited Warranty applies only to new Products which are a) manufactured by or for Motorola as identified by the "Motorola" trademark, trade name, or logo legally affixed to them; b) purchased by consumers from an authorized reseller or distributor of Motorola Products; and c) accompanied by this written Limited Warranty.

## What Will Motorola Do?

If a covered defect or damage arises and a valid warranty claim is received within the applicable Warranty Period, Motorola, at its sole option, unless otherwise required by applicable law, will either (1) repair, at no charge, the defect or damage using new, used or reconditioned/refurbished functionally equivalent replacement parts; or (2) exchange the Product with a replacement Product that is new or which has been reconditioned/refurbished or otherwise remanufactured from new or used parts and is functionally equivalent to the original Product; or (3) refund the purchase price of any Products covered by the terms and conditions of this Limited Warranty.

Products, parts and supporting documentation provided to Motorola as part of the warranty process, shall become the property of Motorola, and may not be returned. When a replacement or refund is given, the Product for which the replacement or refund is provided must be returned to Motorola and shall become the property of Motorola.

## Exclusions (Products and Accessories)

### **This warranty does not apply to:**

(a) **Consumable parts**, such as batteries or protective coatings designed to diminish over time unless failure has occurred due to a defect in materials or workmanship. As with all batteries, the maximum capacity of the battery will decrease with time and use; this is not a defect. Only defective batteries and batteries that leak are covered by this warranty.

(b) **Cosmetic damage**, including but not limited to scratches, dents, cracks or other cosmetic damage.

(c) **Damage caused by use with non-Motorola products**. Defects or damage that result from the use of non-Motorola branded or certified Products, accessories or other peripheral equipment, including without limitation housings, parts, or software, are excluded from coverage.

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