

PHOTOS & VIDEOS

see it, capture it, share it!

Find it:  >  Camera

PHOTOS

TAKE & SHARE PHOTOS

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

Tip: To unlock your screen and take photos, press Power , then drag  to the left.






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Note: Photos are stored in your phone's internal memory, unless you switch it to the microSD memory card. Photo resolution can be set to 13MP or **Widescreen** (6MP).


Tip: Press the volume keys to zoom in and out on the viewfinder image.

To **take** the photo, touch  in the viewfinder.


Your phone stores the photo, and shows a thumbnail image of the photo in the corner of the screen. To see the photo you just took, touch the thumbnail. Then:

- To **set** the photo as a wallpaper, contact photo, or social network photo, touch Menu  > **Set as**.
- To **send** the photo in a message or post it online, touch . For more info on sharing your photos, see “**SHARE PHOTOS & VIDEOS**” on page 29.
- To **upload** the photo to an online photo album, touch .
- To **print** the photo, touch Menu  > **More** > **Print**.
- To **delete** the photo, touch Menu  > **Delete**.

PANORAMIC PHOTOS

In the viewfinder, touch Menu  > **Modes** > **Panorama** to take a wide panoramic photo. The camera auto-captures up to six multiple shots as you move the camera, and joins them together to make one large image.

CAMERA SETTINGS

In the viewfinder, drag the tab in the lower-left corner of the screen (or touch Menu ) to adjust camera settings:

Options	
Settings	<ul style="list-style-type: none">• Widescreen (6MP) or 8MP photo resolution• Video Resolution• Storage Location (phone or SD card)• Geo-Tag (auto location information)• Video Stabilization• Shutter Tone
Effects	Set a photo effect: Normal , Black and White , Negative , and more.

Options

Scenes Set the type of photo you want to take: **Auto**, **Portrait**, **Landscape**, **Sport**, and more.

Modes Set to **Single shot**, **Panorama**, **Multi-shot**, or **Timer**.

Brightness Set the viewfinder image brightness level.

Flash Set **Flash On**, **Flash Off**, or **Auto Flash**.

VIDEOS





RECORD & SHARE VIDEOS

Find it:  >  Camcorder

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To **record** a video, touch  in the viewfinder. To **stop** the video recording, touch  again.

Your phone stores the video, and shows a thumbnail image of the video in the corner of the screen. To see the video you just took, touch the thumbnail. Then:

- To **play** the video, touch .
- To **send** the video in a message or post it online, touch . For more info on sharing your video, see “**SHARE PHOTOS & VIDEOS**” on page 29.
- To **upload** the video to an online album, touch .
- To **delete** the video, touch Menu  > **Delete**.


HD VIDEOS

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

To record an HD quality video, be sure to select the correct **Video resolution**. From the active camcorder viewfinder, touch Menu  > **Settings** > **Video Resolution** > **HD+ (1080p)** or **High Definition (720p)**.

To enhance the video quality, touch Menu  > **Audio Scenes** or **Effects**.)

CAMCORDER SETTINGS

In the viewfinder, drag the tab in the lower-left corner of the screen (or touch Menu ) to adjust camcorder settings:

Options	
Settings	<ul style="list-style-type: none">• Widescreen• Video Resolution (1080p, 720p, DVD, VGA, CIF, or QVGA)• Storage Location (phone or SD card)• Geo-Tag (auto location information)• Video Stabilization (reduce shakiness during video capture)• Shutter Tone
Effects	Set a video effect: Normal , Black and White , Negative , and more.
Audio Scenes	Set sound recording options: Everyday , Outdoors , Concert , Narrative , or Subject .
Modes	Set to Normal video , Video Message , Fast motion , or Slow motion .

Options

Brightness Set the viewfinder image brightness level.

Light Turn the camcorder light on or off.

to others' photos, and see comments that others have posted.

VIEW PHOTOS & VIDEOS

Find it:  >  Gallery


View all of your photos and your friends' photos/videos from different media sites like Picasa™, Flickr, PhotoBucket, and Facebook™. You can add comments

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Note: To see the controls when a video is playing, touch the display.


SHARE PHOTOS & VIDEOS

Find it:  >  Gallery > *photo or video*

Touch , then choose how you want to share—like **Bluetooth**, **Email**, **Text Messaging**, or an online album.

MANAGE PHOTOS & VIDEOS


Find it:  >  **Gallery** > *photo* or *video*.

Touch Menu , then select **Edit**, **Delete**, **Add to album**, **Set as** (photo), or **Map** (video). Touch **More** for additional options.

Tip: To copy photos to/from a computer, go to “**USB CONNECTION**” on page 42.

EDIT PHOTOS & VIDEOS

Find it:  >  **Gallery** > *photo* or *video*.

Touch Menu  > **Edit**. You can choose advanced editing features to resize, crop, or change the color.

STREAM & SYNC PHOTOS & VIDEOS

Use MotoCast to stream photos and videos from your computer to your smartphone. MotoCast also lets you use iTunes or Windows Media Player to sync the photos and videos stored on your computer and smartphone.

Find it:  >  **Gallery** > **MotoCast**

For more information about using MotoCast, see “**MOTOCAST**” on page 24.

MUSIC

when music is what you need...

QUICK START: MUSIC

Find it:  >  **Music**

To play music stored on your phone, touch **My library**.

To randomly play all of the songs in a playlist, touch  **>** .

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

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

SET UP MUSIC


WHAT MUSIC TRANSFER TOOLS DO I NEED?

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

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

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

Your smartphone supports removable microSD memory cards up to 32GB capacity. To make sure your memory card is installed, go to “**ASSEMBLE & CHARGE**” on page 3.

Tip: To see the available memory on your memory card, from the home screen touch Menu  **> Settings > Storage.**

WHAT AUDIO FILE FORMATS CAN I PLAY?

Your smartphone can play many types of files: AAC, AAC+, AAC+ Enhanced, AMR NB, AMR WB, MP3, WAV, WMA v9, and MIDI.

WHAT HEADPHONES CAN I USE?

Your smartphone has a 3.5mm headset jack for wired stereo listening (required for FM radio). You can go wireless with Bluetooth™ stereo headphones or speakers (see “**BLUETOOTH™ HANDSFREE DEVICES**” on page 39).

GET MUSIC

TRANSFER

Transfer music from your computer to your smartphone using a USB cable connection. See “**USB CONNECTION**” on page 42 to learn how.

STREAM & SYNC

Use MotoCast to stream music from your computer to your smartphone. MotoCast also lets you use iTunes or Windows Media Player to sync the music files stored on your computer and smartphone.

Find it:  >  **Music**, then touch Menu  > **Setup music player**

For more information about using MotoCast, see “**MOTOCAST**” on page 24.

BUY

Buy MP3 music files that you can install and play on your smartphone.

Find it:  >  **Music Store**

PLAY MUSIC

Touch a song or playlist to start playing music.

MUSIC PLAYER CONTROLS

To...	
Play/pause	Touch ▶ / .
Select previous/next song	Touch ◀◀ / ▶▶.
Fast forward/rewind	Touch and hold ◀◀ / ▶▶.
View playlist	Touch ☰.
Shuffle on/off	Touch ☰ > 🔄.
Repeat all/current/off	Touch ☰ > ↺.
Adjust volume	Press side volume keys.
View library	Touch Menu ☰ > Library .
Manage speakers	Touch Menu ☰ > Audio effects .
Add to playlist	Touch Menu ☰ > Add to playlist .
Use as ringtone	Touch Menu ☰ > Use as ringtone .

To...

Use as notification Touch Menu ☰ > **Use as notification**.

Delete Touch Menu ☰ > **Delete**.

HIDE, WAKE, TURN OFF

Touch Home (🏠) to use another app. Your music continues to play.

When you see ▶ in the status bar, a song is playing. Flick down to see details. Touch the song to return to the music controls.

To turn off your music, touch ||.

PLAYLISTS

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

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

WEB

surf the web with your smartphone

QUICK START: BROWSER

Find it:  Browser

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

CONNECT


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

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

If you want to use a Wi-Fi network for faster Internet access, touch the status bar at the top of the home screen and drag it down. Touch the **Wi-Fi networks available** notification to select a preferred network. For more info, see “**WI-FI NETWORKS**” on page 38.



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

PLAY WEB VIDEOS

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

DOWNLOADS


To download files in your browser, touch a file link or touch and hold a picture to choose **Save image**.

To see the files you downloaded, touch  >  **Downloads**. Touch and hold an item to open it, see details, or remove it from the list.

You can download “**APPS & UPDATES**” on page 10.

BROWSER OPTIONS



Touch Menu  to see browser options:

Options	
New window	Open a new browser window.
Bookmarks	See your bookmarks.
Windows	View open browser windows.
Refresh	Reload the current page.
Forward	Go forward through viewed pages (touch Back  to go back).
More	View additional browser options.

YOUTUBE™

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

Find it:  >  YouTube

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

PERSONALIZE

add your personal touch

WIDGETS


ADD WIDGETS

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



Tip: Flick left or right to see other panels.


2 Touch **Widgets** and choose a widget.

SET UP WIDGETS

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

Your home screen may already have these widgets:

- **Universal Inbox:** Change the widget name or choose how long it shows new messages. To add email accounts, "**SET UP MESSAGING**" on page 18.
- **Music:** Set this widget to an artist, album, song, playlist, genre, or just touch Menu  > **Shuffle all**. There's more about "**MUSIC**" on page 30.
- **News:** Change the widget name, choose how long it shows new stories, or choose a news source. To choose a source, touch , then choose preset **Bundles** or **Channels**, or choose **Custom** to enter a URL for a **Webpage** or an **RSS feed**.

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

SHORTCUTS

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

Tip: To change one of the dock shortcuts at the bottom of the home screen, touch and hold the shortcut, then select the shortcut you want to replace it.

RINGTONES

Personalize your ringtones:

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

To set your vibrate options:

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

To set a song as a ringtone:





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

WALLPAPER



Apply a new wallpaper:

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

SOUNDS

- To set volume for ringtones, media, and alarms, touch Menu  > **Settings** > **Sound** > **Volume**.
- To play dial pad tones, touch Menu  > **Settings** > **Sound** > **Audible touch tones**.
- To play sound on a screen selection, touch Menu  > **Settings** > **Sound** > **Audible selection**.
- To customize the sound settings for media and videos, touch Menu  > **Settings** > **Sound** > **Media audio effects** > **Phone speaker**.

DISPLAY SETTINGS


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

- To set animation, touch Menu  > **Settings**
> **Display** > **Animation**.

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

DATE & TIME

Set date, time, time zone, and formats:

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

LANGUAGE & REGION

Set your menu language and region:

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

WIRELESS

lose the wires

QUICK START: WIRELESS


Connect your smartphone to fast Wi-Fi networks or Bluetooth™ devices.

To connect, touch Menu  > **Settings** > **Wireless & networks** > **WLAN settings** or **Bluetooth settings**.

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WI-FI NETWORKS


TURN WI-FI POWER ON OR OFF

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

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


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.

WI-FI SEARCH & CONNECT

When Wi-Fi is **turned on**, the Wi-Fi in-range indicator  appears in the status bar when a network is available. Drag down the status bar and touch the **Wi-Fi networks available** notification to select and connect to a network.


To search for a network when Wi-Fi is **turned off**:

1 Touch Menu  > **Settings** > **Wireless & networks** > **WLAN settings**.

2 Touch **WLAN** to turn on and scan. If Wi-Fi power is already on, touch Menu  > **Scan**. Your smartphone lists the networks it finds within range.

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

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

When your smartphone is connected to the network, the Wi-Fi connected indicator  appears in the status bar.

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

WI-FI HOTSPOT

You can make your smartphone a Wi-Fi hotspot to provide portable, convenient internet access to other Wi-Fi enabled devices.

Caution: This application significantly impacts battery life. You may want to run this application with the charger connected.

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

To set up your smartphone as a Wi-Fi hotspot:

1 Turn off Wi-Fi power by touching Menu  > **Settings** > **Wireless & networks** > **WLAN**.

2 Touch  >  **Mobile Hotspot** > **Mobile Hotspot** to turn on the hotspot.

3 Touch **Configure Mobile Hotspot** to change hotspot security and configuration settings:

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

Note: 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)**, including password.


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

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

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

BLUETOOTH™ HANDSFREE DEVICES

TURN BLUETOOTH POWER ON OR OFF

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

Note: To extend battery life, turn off Bluetooth power 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, just turn on the device.


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

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

- 2** Touch Menu  > **Settings** > **Wireless & networks** > **Bluetooth settings**.

- 3** Touch **Bluetooth** to turn on and scan. If Bluetooth power is already on, touch **Scan for devices**.

- 4** Touch a device to connect.

- 5** If necessary, touch **OK**, or enter the device passkey (like **0000**) to connect to the device. When the device is connected, the Bluetooth connected 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 smartphone with a paired device, simply turn on the device.


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

DISCONNECT DEVICES

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

To manually disconnect your smartphone from a paired device, touch the device name in the devices list, then touch **OK**.




CHANGE DEVICE NAME

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

DLNA™ MEDIA DEVICES

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

Use DLNA Certified computers, TVs, and other devices to play or transfer the video, pictures, and music stored on your smartphone.


- 1 Make sure your smartphone is connected to a Wi-Fi network that has another DLNA Certified device.
- 2 Touch  >  **DLNA**.
- 3 Touch **Play media**, **Copy media to server**, **Copy media to phone**, or **Share media**.
Your smartphone searches for DLNA devices on your network. To search again, touch Menu  > **Refresh**.
- 4 Touch a device to connect.



For more about DLNA devices, visit www.dlna.org.

MOTOPRINT

Print email, documents, pictures, and contacts directly to shared printers on a Wi-Fi network—no printer drivers necessary. MOTOPRINT automatically discovers networked printers for you. You can even save your favorite printers and geo-tag their location for future use.

PRINT A DOCUMENT OR FILE

To print something from the **Email**, **Quickoffice**, or **Gallery** apps, open it and touch Menu  > **Print**.

To print something directly from the **MOTOPRINT** app, touch  >  **MOTOPRINT**, then select a document type and follow the on-screen instructions.

ADD A PRINTER

Find it:  >  **MOTOPRINT**, touch Menu 
> **Manage printers**, touch Menu  > **Add printer**

MOTOPRINT HOST

To print to a non-compatible or non-networked printer connected to your Windows™ computer, you need to install free MOTOPRINT Host software on the computer. You can download MOTOPRINT Host at www.motorola.com.

To print something using MOTOPRINT Host:

Find it:  >  **MOTOPRINT**, touch Menu 
> **Manage printers**, touch Menu  > **Add printer**
> **MOTOPRINT host**

Select MOTOPRINT Host running on your computer, then select the printer you want to use.

MEMORY CARD & FILE MANAGEMENT

copy photos, music, and more

MEMORY CARD

Note: Your music, photos, and other files are automatically stored on your smartphone's internal memory. You can set individual apps (camera or camcorder) to store files on the microSD card.


DELETE OR SHARE FILES ON YOUR SMARTPHONE

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

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

REMOVE OR FORMAT YOUR MEMORY CARD

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

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


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

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

USB CONNECTION

You can connect your smartphone to a computer with a USB cable.

Note: The first time you use a USB connection, your computer may indicate that drivers are being installed. Follow any prompts you see to complete the installation. This may take a few minutes.

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

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

- 2 Drag and drop files between your computer and smartphone folders. When you're done, use "Safely Remove Hardware" before disconnecting the USB cable.

Note: If you're using a memory card, you can't use the files on your memory card with your smartphone while it is connected to the computer.


TOOLS

stay on top of things

CALENDAR


Find it:  >  **Calendar**

Your calendar events can be viewed in different ways:

Touch  > **Agenda, Day, Week, or Month**. When you highlight an event, more details appear.

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

ADD CALENDAR EVENTS

From any view, touch . Enter the event start time and other details. You can even set a reminder so you don't forget about the event. (When you set the reminder time to **0 minutes**, it plays at the event start time.)

Tip: Reminders will play only if you've selected a notification ringtone (see "**RINGTONES**" on page 36). When you finish entering event details, touch **Save**.

MANAGE CALENDAR EVENTS

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

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

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

TASKS



Find it:  >  **Tasks**

To add a task, touch .

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

CALCULATOR

Find it:  >  **Calculator**


To switch between basic and advanced functions, touch Menu  > **Advanced panel** or **Basic panel**. To clear history, touch Menu  > **Clear history**.

ALARM CLOCK

Find it:  >  **Alarm & Timer**

To turn on an alarm, touch the check box.

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

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

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

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ACCESSIBILITY

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

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

VOLUME & VIBRATE


Choose volume and vibrate settings that work for you.

Touch Menu  > **Settings** > **Sound**:

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

ZOOM


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

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

DISPLAY BRIGHTNESS

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

TOUCHSCREEN & KEYS


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

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

MESSAGES

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

Find it:  >  **Messaging** > **Universal Inbox**


And to make text entry even easier, you can use features like auto-correct, auto-punctuate, and auto-capitalization—touch Menu  > **Settings** > **Language & keyboard** > **Multi-touch keyboard**.

APPS

Want more? No problem. SHOP4APPS™ provides access to thousands of apps, and many provide useful accessibility features.

Find it:  >  SHOP4APPS

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

Tip: Choose your apps carefully, from trusted sites like  SHOP4APPS, as some may impact your phone's performance.

MANAGEMENT

stay in control


SMART ACTIONS

Fed up doing the same tasks over and over again? Let smart actions do them for you. You can create smart actions to do things, like automatically dim the touch screen when the battery is low, set your ringer to vibrate at work, and activate a Wi-Fi connection at home.

Find it:  >  Smart Actions


For more information, open the Smart Actions app and touch Menu  > **Help**.

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. Press and hold Power  > **Airplane mode**.

Note: When you select airplane mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth back on, if permitted by your airline. Other wireless voice and data services (such as calls and text

messages) remain off in airplane mode. Emergency calls to your region's emergency number can still be made.

NETWORK

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

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

SECURITY


help keep your smartphone safe

QUICK START: SECURITY

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

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SCREEN LOCK


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

> **Location & security** > **Change screen lock**, then select the lock type:

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

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

LOCK PATTERN

To set the lock pattern, touch Menu  > **Settings** > **Location & security** > **Change screen lock** > **Pattern lock**.

Follow the instructions to draw your lock pattern.

When prompted, draw the pattern to unlock the smartphone.

PIN LOCK

To set a PIN, touch Menu  > **Settings** > **Location & security** > **Change screen lock** > **PIN**.

Enter a numeric PIN, then confirm it.

When prompted, enter the PIN to unlock the smartphone.


PASSWORD LOCK

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

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


When prompted, enter the password to unlock the smartphone.



PERSONALIZE YOUR LOCK SCREEN

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

LOCK & UNLOCK

To lock the screen/smartphone:

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

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

FORGOT YOUR PATTERN OR PASSCODE?

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

RESET

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

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

REMOTE WIPE A LOST OR STOLEN SMARTPHONE

Don't you just hate it when your life is on your smartphone and it all goes wrong? Lost, or even worse—stolen! If necessary, you can use your email account on a Microsoft™ Exchange ActiveSync 2007 server to clear the personal data from your smartphone and memory card.

You need to be assigned permissions before you can remote wipe data from your smartphone and memory card. Contact your IT system administrator for the


information and permissions you need to perform the remote wipe procedure.

Warning: All downloaded apps and user data on your smartphone and memory card will be deleted.

TROUBLESHOOTING

we're here to help

CRASH RECOVERY

In the unlikely event that your smartphone stops responding to touches and key presses, try a forced reboot—press and hold both Power  and the down volume key for three seconds.

SERVICE & REPAIRS

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

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

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 issues arise from improper handling of batteries, and particularly from the continued use of damaged batteries.

DON'Ts

- **Don't disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.**
- **Don't let the mobile device or battery come in contact with liquids.*** Liquids can get into the mobile device's circuits, leading to corrosion.
- **Don't allow the battery to touch metal objects.** If metal objects, such as jewelry, stay in prolonged contact with the battery contact points, the battery could become very hot.
- **Don't place your mobile device or battery near a heat source.*** High temperatures can cause the battery to swell, leak, or malfunction.
- **Don't dry a wet or damp battery with an appliance or heat source,** such as a hair dryer or microwave oven.

DOs

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

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

Important: Motorola recommends you always use Motorola-branded batteries and chargers for quality assurance and safeguards. Motorola's warranty does not cover damage to the mobile device caused by non-Motorola batteries and/or chargers. To help you

identify authentic Motorola batteries from non-original or counterfeit batteries (that may not have adequate safety protection), Motorola provides holograms on its batteries. You should confirm that any battery you purchase has a "Motorola Original" hologram.

If you see a message on your display such as **Invalid Battery** or

Unable to Charge, take the following steps:

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

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

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

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



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

Battery Charging

Notes for charging your product's battery:

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

Third Party Accessories

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

Driving Precautions

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

While driving, NEVER:

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

While driving, ALWAYS:

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

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

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing videos or games. These may occur even if a person has never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your physician before playing videos or games or enabling a flashing-lights feature (if available) on your mobile device.

Discontinue use and consult a physician if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation. It is always a good idea to hold the screen away from your eyes, leave the lights on in the room, take a 15-minute break every hour, and stop use if you are tired.

Caution About High Volume Usage

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

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

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

For more information about hearing, see our website at direct.motorola.com/hellomoto/nss/AcousticSafety.asp (in English only).

Repetitive Motion

When you repetitively perform actions such as pressing keys or entering finger-written characters, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. If you continue to have discomfort during or after such use, stop use and see a physician.

Children

Keep your mobile device and its accessories away from small children. These products are not toys and may be hazardous to small children. For example:

- A choking hazard may exist for small, detachable parts.
- Improper use could result in loud sounds, possibly causing hearing injury.
- Improperly handled batteries could overheat and cause a burn.

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

Glass Parts

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

Operational Warnings

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







Potentially Explosive Atmospheres

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

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

Symbol Key

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

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

Radio Frequency (RF) Energy

Exposure to RF Energy

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

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

RF Energy Operational Precautions

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

- When placing or receiving a phone call, hold your mobile device just like you would a landline phone.
- If you wear the mobile device on your body, always place the mobile device in a Motorola-supplied or approved clip, holder, holster, case, or body harness. If you do not use a body-worn accessory supplied or approved by Motorola, keep the mobile device and its antenna at least 2.5 cm (1 inch) from your body when transmitting.
- Using accessories not supplied or approved by Motorola may cause your mobile device to exceed RF energy exposure guidelines. For a list of Motorola-supplied or approved accessories, visit our website at: www.motorola.com.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances, your mobile device may cause interference with other devices.

Follow Instructions to Avoid Interference Problems

Turn off your mobile device in any location where posted notices instruct you to do so. In an aircraft, turn off your mobile device whenever instructed to do so by airline staff. If your mobile device offers an airplane mode or similar feature, consult airline staff about using it in flight.

Implantable Medical Devices

If you have an implantable medical device, such as a pacemaker or defibrillator, consult your physician before using this mobile device.

Persons with implantable medical devices should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the implantable medical device when the mobile device is turned ON.
- DO NOT carry the mobile device in the breast pocket.
- Use the ear opposite the implantable medical device to minimize the potential for interference.
- Turn OFF the mobile device immediately if you have any reason to suspect that interference is taking place.

Read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your mobile device with your implantable medical device, consult your healthcare provider.

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.

Location Services (GPS & AGPS)

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

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

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

Your Location

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

wireless service provider, applications providers, Motorola, and other third parties providing services.

Emergency Calls

When you make an emergency call, the cellular network may activate the AGPS technology in your mobile device to tell the emergency responders your approximate location. AGPS has limitations and **might not work in your area**. Therefore:

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

Navigation

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

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

Smart Practices While Driving

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas—for example, handsfree use only may be required. Go to www.motorola.com/callsmart (in English only) for more information.

Your mobile device lets you communicate by voice and data—almost anywhere, anytime, wherever wireless service is available and safe conditions allow. When driving a car, driving is your first responsibility. If you choose to use your mobile device while driving, remember the following tips:

- **Get to know your Motorola mobile device and its features such as speed dial, redial and voice dial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile device with one of the many Motorola Original handsfree accessories available today.

- **Position your mobile device within easy reach.** Be able to access your mobile device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- **Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.
- **Use your mobile device to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies (wherever wireless phone service is available).
- **Use your mobile device to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number (wherever wireless phone service is available), as you would want others to do for you.
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number (wherever wireless phone service is available).
- **Keep software up to date**—If Motorola or a software/application vendor releases a patch or software fix for your mobile device that updates the device’s security, install it as soon as possible.
- **Secure Personal Information**—Your mobile device can store personal information in various locations including your SIM card, memory card, and phone memory. Be sure to remove or clear all personal information before you recycle, return, or give away your device. You can also backup your personal data to transfer to a new device.
Note: For information on how to backup or wipe data from your mobile device, go to www.motorola.com/support
- **Online accounts**—Some mobile devices provide a Motorola online account (such as MOTOBLUR). Go to your account for information on how to manage the account, and how to use security features such as remote wipe and device location (where available).
- **Applications and updates**—Choose your apps and updates carefully, and install from trusted sources only. Some apps can impact your phone’s performance and/or have access to private information including account details, call data, location details and network resources.
- **Wireless**—For mobile devices with Wi-Fi features, only connect to trusted Wi-Fi networks. Also, when using your device as a hotspot (where available) use network security. These precautions will help prevent unauthorized access to your device.
- **Location-based information**—Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile phones which are connected to a wireless network transmit location-based information. Devices enabled with GPS or AGPS technology also transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. This location-based information may be shared with third parties, including your wireless service provider, applications providers, Motorola, and other third parties providing services.
- **Other information your device may transmit**—Your device may also transmit testing and other diagnostic (including location-based) information, and other non-personal information to Motorola or other third-party servers. This information is used to help improve products and services offered by Motorola.

If you have further questions regarding how the use of your mobile device may impact your privacy or data security, please contact Motorola at privacy@motorola.com, or contact your service provider.

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.

Use & Care

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



liquids

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



extreme heat or cold

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



microwaves

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



dust and dirt

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



cleaning solutions

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



shock and vibration

Don't drop your mobile device.



protection

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

Recycling

Mobile Devices & Accessories

Please do not dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste, or in a fire. These items should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Alternatively, you may return unwanted mobile devices and electrical accessories to any Motorola Approved Service Center in your region. Details of Motorola approved national recycling schemes, and further information on Motorola recycling activities can be found at:

www.motorola.com/recycling



Packaging & Product Guides

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

Software Copyright Notice

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

Content Copyright

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

Open Source Software Information

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

MOTOROLA MOBILITY, INC.

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

The Motorola website opensource.motorola.com (in English only) also contains information regarding Motorola's use of open source.

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

To view additional information regarding licenses, acknowledgments and required copyright notices for open source packages used in this Motorola mobile device, please

press Menu Key > **Settings** > **About phone** > **Legal information**

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

Service & Repairs

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

Go to www.motorola.com/support, where you can select from a number of customer care options. You can also contact the Motorola Customer Support Center at 1-800-331-6456 (United States), 1-888-390-6456 (TTY/TDD United States for hearing impaired), or 1-800-461-4575 (Canada).

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola Mobility, Inc. warrants its mobile telephones ("Products"), Motorola-branded or certified accessories sold for use with these Products ("Accessories"), and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials

and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories, and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

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

Exclusions (Products and Accessories)

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

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

Exclusions (Software)

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the Internet), is provided "as is" and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent reconditioned/refurbished/pre-owned or new Products, Accessories

or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software, and applications, please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

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

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you

specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Copyright & Trademarks

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

www.motorola.com

1-800-734-5870 (United States)

1-888-390-6456 (TTY/TDD United States for hearing impaired)

1-800-461-4575 (Canada)

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

All features, functionality, and other product specifications, as well as the information contained in this guide, are based upon the latest available information and believed to be accurate at the time of printing. Motorola reserves the right to change or modify any information or specifications without notice or obligation.

Note: The images in this guide are examples only.

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

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Manual Number: 68XXXXX533-A