MOTOROLA

EN

MOTOROLA **DEFY™ XT**

LIFE. POWERED.

CONGRATULATIONS

MOTOROLA DEFY™ XT

Your MOTOROLA **DEFY XT** helps you seamlessly manage your "Office" and "Outdoor" lifestyles.

- **Lifeproof:** Your phone is water-resistant, dustproof, and has a scratch-resistant screen, because accidents happen.
- **Dashboard:** Easy access to all your favorite Outdoor apps, like **Camera**, **Compass**, and a pedometer, see "**DASHBOARD**" on page 6.
- **Extended battery life:** So you have longer to use your phone outdoors, see "**BATTERY TIPS**" on page 27.

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.
- **Accessories:** Find more for your phone at www.motorola.com/products.
- **Social:** The latest news, tips & tricks, videos, and so much more—join us on:
  - **YouTube™** www.youtube.com/motorola
  - **Facebook™** www.facebook.com/motorola
  - **Twitter** 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

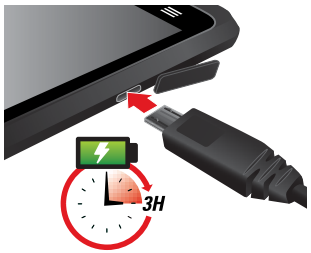
1 Cover off

2 microSD in

3 Battery in

4 Cover on

5 Charge up



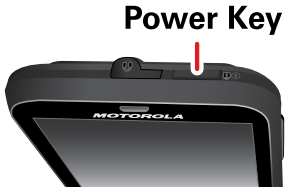
Caution: Please read "**BATTERY USE & SAFETY**" on page 33.

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, you can create or enter a Google™ account so that you can download apps, use Gmail™, and much 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**.

You can log into your account from a computer at accounts.google.com.

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 14.
- To exit setup, touch Home ⌂.

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

RUGGED

Your phone is designed to be tough and durable, helping to protect it from life's extremes. So whether your life gets cold and wet, warm and humid, or dry and dusty, your phone can handle it.

Of course, your phone isn't indestructible, so remember:

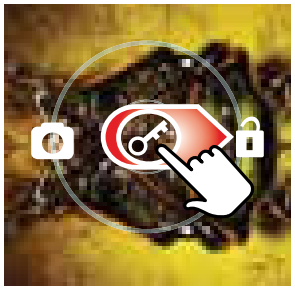
- Always make sure that the battery and connector covers are closed and secure.
- Avoid prolonged or extreme exposure to rugged conditions.

And finally, the details. Your phone will resist damage from exposure to these rugged conditions: high/low temperatures, water, blowing rain, humidity, salt fog, dust, shock, vibration, and low pressure (high altitude).

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 **unlock** the screen, touch and hold the key until the open lock appears. Then drag the key to the right to the open lock.



KEYS

Use your phone's keys to navigate and open options at any time.

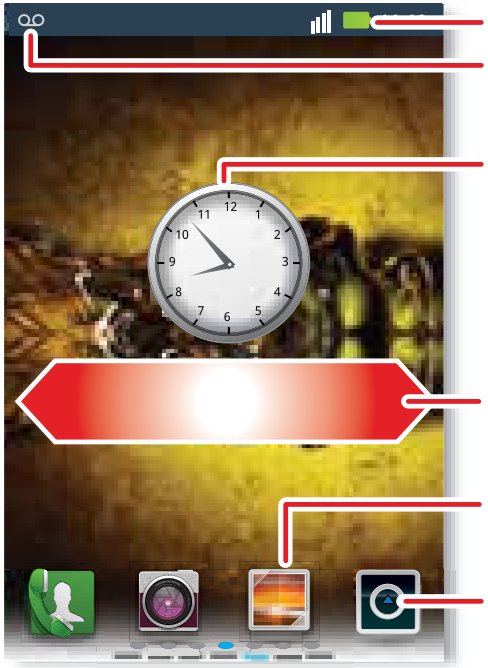
Press the volume keys to change the ringer volume (in the home screen), or the earpiece volume (during a call).

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 shortcuts or widgets, **touch and hold** them 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.

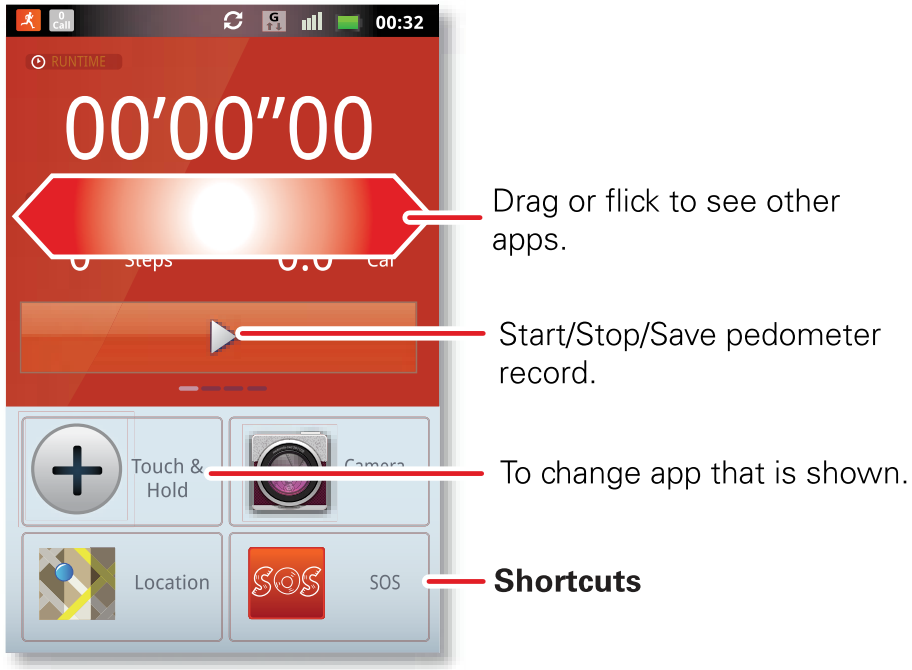
To change your ringtone, display brightness, and more, touch Menu > **Settings** > **Sound** or **Display**. For details, see "**PERSONALIZE**" on page 8.

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, like **Camera**, **Location**, and **SOS**. You can also see a pedometer that reports your runtime, steps, and calories burned—it's the ideal fitness companion.

Find it: Touch > **DashBoard**.



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 show the last eight apps you opened, 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—see "**CHOOSE CAREFULLY**" on page 7.

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.

CHOOSE CAREFULLY

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

- To help prevent spyware, phishing, or viruses from affecting your phone or privacy, use apps from trusted sites, like Google Play Store.
- Using the Google Play Store, check the apps' ratings and comments before installing.
- If you doubt the safety of an app, don't install it.
- Like all apps, downloaded apps will use up memory, data, battery, and processing power—some more than others. For example, a simple battery level widget will use less than a streaming music player app. After installing an app, if you're not happy with how much memory, data, battery or processing power it's using, uninstall it. You can always install it again later.
- Just like web browsing, you may want to monitor children's access to apps to help prevent exposure to inappropriate content.
- Certain apps may not provide completely accurate information. Take care, especially when it comes to personal health.

MANAGE & RESTORE APPS

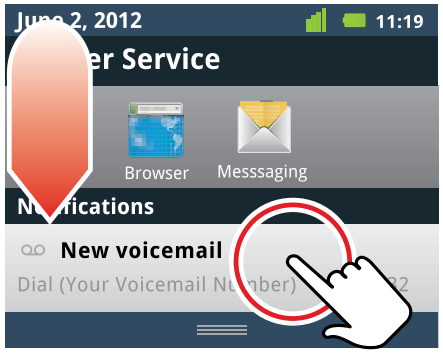
To manage your apps, from the home screen touch Menu > **Settings** > **Applications** > **Manage applications**.

Touch the app to see details—from here you can review, uninstall, and more.

To reinstall any downloaded items, from the home screen touch > **Play Store** > **My apps**. All previously installed apps are listed and available for download.

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).



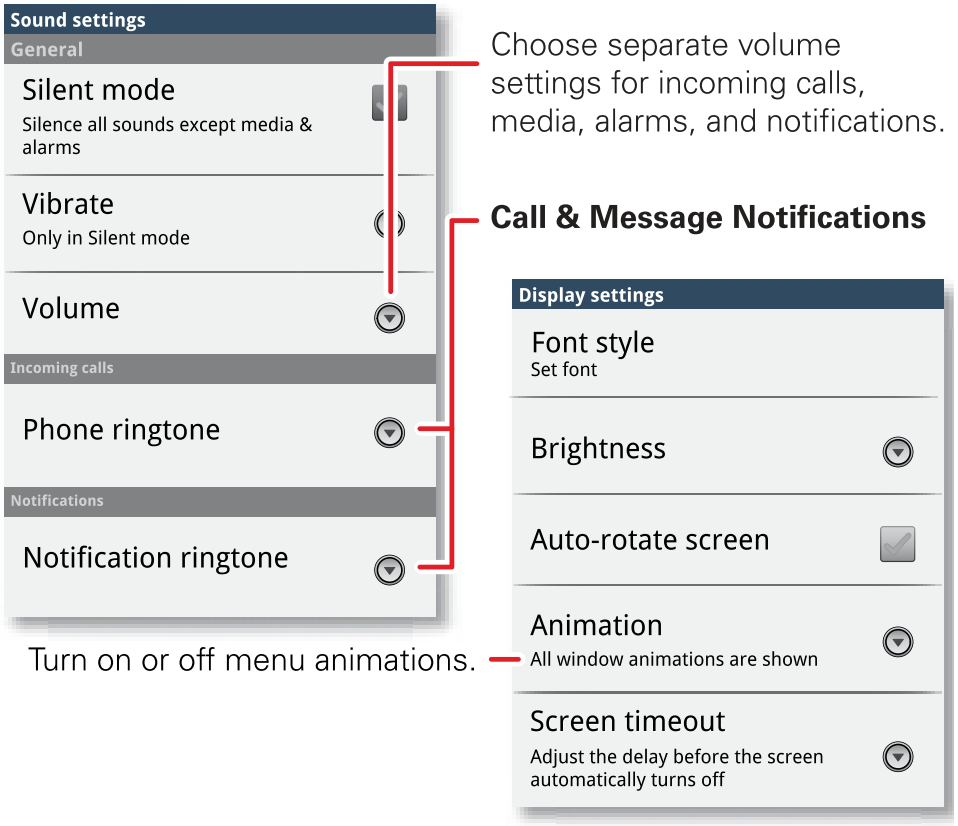
	network strength		battery strength
	new voicemail		new text message
	Bluetooth™ on		Bluetooth connected
	Wi-Fi connected		airplane mode
	USB connected		alarm set
	silent ringer		silent ringer, vibrate on
	mute call		speakerphone

PERSONALIZE

add your personal touch

QUICK START: PERSONALIZE

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



- **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**.

DISPLAY SETTINGS

- Set **brightness**: touch Menu > **Settings** > **Display** > **Brightness**.
- **Rotate** the screen for some apps when you rotate your phone: touch Menu > **Settings** > **Display** > **Auto-rotate screen**.
- Set **animations** that make your menus look smoother, touch Menu > **Settings** > **Display** > **Animation**.

LANGUAGE & REGION

Set your menu language and region: touch Menu > **Settings** > **Language & keyboard** > **Select language**.

CALLS

it's good to talk

QUICK START: CALLS

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

- To **make** a call, touch **Dialer**, enter a number, then touch .

  When dialing, touch Menu to add a pause (pauses two seconds), or wait (waits for your confirmation). To enter the international dialing code, touch and hold 0 +.

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

- To **answer** a call, drag to the right.
- To use the **speakerphone** during a call, touch **Speaker**.
- To **enter numbers** during a call, touch **Dialpad**.
- To **mute** or **unmute** a call, touch **Mute**.
- To put a call on **hold**, touch Menu > **Hold**.
- To **end** a call, touch .
- To **ignore** an incoming call, drag to the left.

Tip: For quick access to contacts, see "**FAVORITES**" on page 12.

RECENT CALLS

To show recent calls, touch **Dialer** > **Call log**.

- To call, text, open, or save an entry, touch and hold it.

- To clear the list, touch Menu > **Clear call log**.

CONFERENCE CALLS

To start a conference call, call the first number. After they answer, touch **Add call** and call the next number. When the next number answers, touch **Merge calls**. To remove individual callers, touch **Manage**.

YOUR PHONE NUMBER

To show your phone number, touch Menu > **Settings** > **About phone** > **Status** > **My phone number**.

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

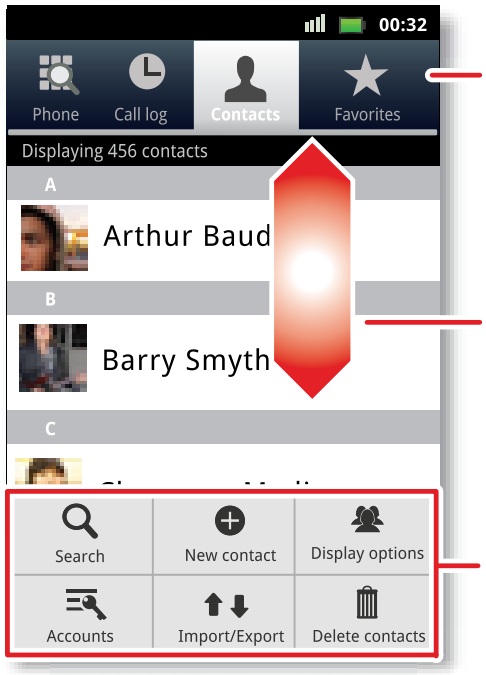
In very limited circumstances, such as where your phone has been exposed to extreme heat, you may see "Cool Down" messages. To avoid possible damage to your battery and phone, you should follow these instructions until the phone is within its recommended temperature range. When your phone is in "Cool 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 Menu to search, create, and more.

- To **create** a contact, touch **Dialer** > **Contacts** > Menu > **New contact**, choose where you want to store the contact, then enter details (to close the keyboard, touch Back).

  Contacts shows the contacts from your Google™ account, which you can open from any computer at http://contacts.google.com (or open your contacts within http://mail.google.com). To stop synchronizing with your account, touch **Dialer** > **Contacts** > Menu > **Accounts**, touch your Google account, then uncheck **Sync Contacts**.

- 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.

FAVORITES

For quick access to a favorite contact, open the contact, then touch the star next to their name. To show your favorites, touch **Dialer** > **Favorites** at the top.

To add a shortcut to your favorites, touch and hold a blank spot on your home screen, then touch **Folders** > **Starred contacts**. You can also add a shortcut for an individual contact: Touch and hold a blank spot on your home screen, then choose **Shortcuts** > **Contact**.

STORAGE & TRANSFER

When you create a new contact, your phone asks if you want to store it in your Google™ account, or phone memory. Contacts in both places appear in your **Contacts** list, but if you change phones:

- Contacts in your Google™ account can download when you log into your Google account on a new Android™ device. You can open these contacts from any computer at http://contacts.google.com.
- Contacts in your phone memory stay in your old phone, unless you export them.

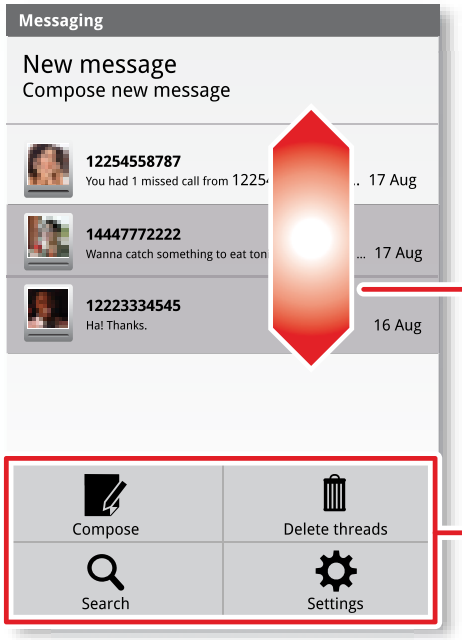
To import or export contacts between your phone memory and a memory card, touch **Dialer** > **Contacts**, then touch Menu > **Import/Export**.

MESSAGING

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

QUICK START: TEXT MESSAGING

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



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

- To **create** a text message, touch **Messaging** > **New message**. For options, like attaching files, touch Menu.

- To **open** text messages, touch **Messaging**, then touch the sender's name.

  When you see in the status bar at the top of your screen, flick down the status bar and touch the new message to open it.

- To **respond** to a text message, just open it and enter your response in the text box at the bottom.
- To **forward**, **copy**, and more, touch **Messaging**, touch the sender's name, then touch and hold the message.

ATTACHMENTS

To send a file in a text message, touch **Messaging** > **New message**, then touch Menu > **Attach**.

When you open a message with an attachment, touch **Download** to download it. Touch the downloaded attachment to open it, then touch it again to save it, share it, and more.

Tip: To send and receive large attachments faster, use "**Wi-Fi**" on page 24.

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 add more standard accounts, open **Email** and touch Menu > **Accounts** > Menu > **Add account**. For details, contact the account provider.

- To **open** email, touch > **Email** or **Gmail**. Touch a message to open it.

  Tip: Touch Menu for options like **Refresh** or **Search**.

- To **create** an email, touch > **Email** or **Gmail**, then touch Menu > **Compose**.

  Tip: Touch Menu for options, like **Attach** or **Add Cc/Bcc**.

Gmail synchronizes with your Google™ account mail, which you can open from any computer at http://mail.google.com. To stop synchronizing with your account, touch Menu > **Settings** > **Accounts & sync**, touch your Google account, then uncheck **Sync Gmail**.

GOOGLE TALK™

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

Google Talk instant messaging lets you chat with other Google Talk users on phones or on the web.

Touch Menu to see a list of your Google Talk friends, send invitations to add new friends, and much more.

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**.

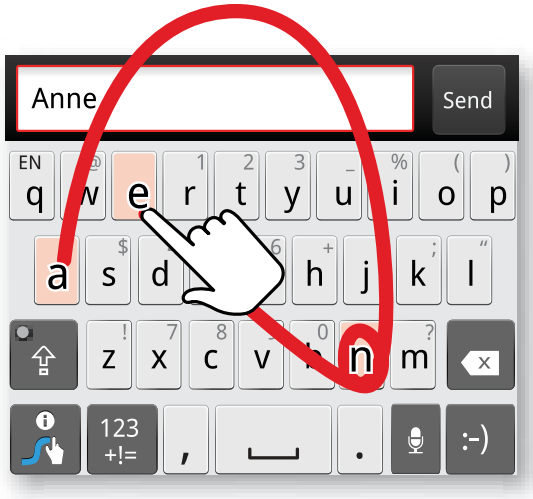
If you need to change your voicemail number, in the home screen touch Menu > **Settings** > **Call settings** > **Voicemail settings**. For your voicemail number or other details, contact your service provider.

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.

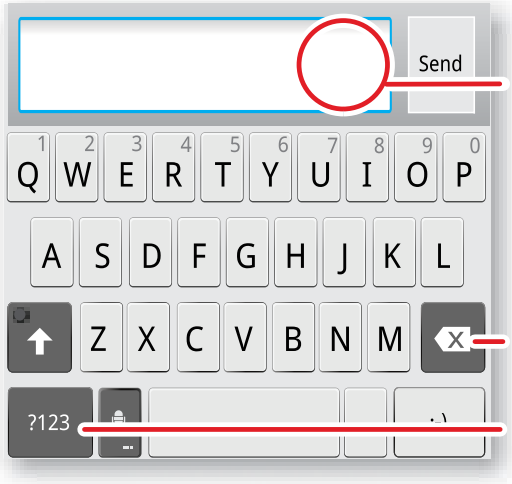
- To **move the cursor**, touch and hold a word you entered. This opens a magnifier where you can drag the cursor.
- To **copy and paste**, double-tap a word to highlight it (if needed, drag the ends of the highlight). Then touch and hold a blank spot for the copy and paste menu.
- To add a word to **your dictionary**, double-tap the word to highlight it. Then touch and hold a blank spot to open the menu where you can add the word.

- To enter the small **number or symbol** at the top of a key, touch and hold the key.

  To enter several numbers or symbols, touch **123**.
- If Swype doesn't know a word, touch individual letters to enter it. Swype remembers, so next time you can just drag over the letters.

ANDROID (MULTI-TOUCH) KEYBOARD

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



Touch and hold an empty spot to copy/paste.

Delete

Symbols/Numbers

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**.

TEXT ENTRY DICTIONARY

Your phone's stores special words or names when you enter them.To open your dictionary, from the home screen touch Menu > **Settings** > **Language & keyboard** > **User dictionary**.

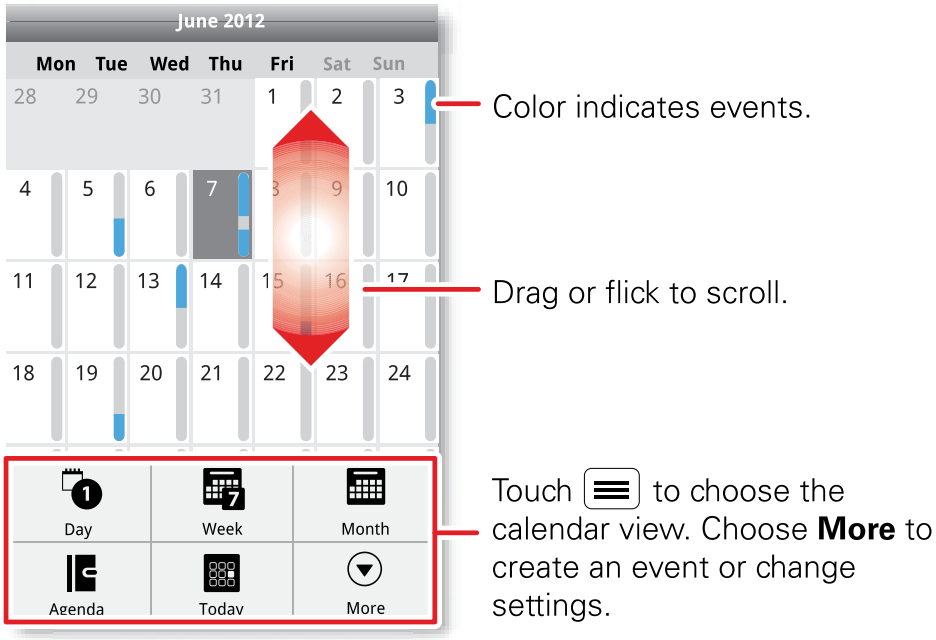
- To **add** a word, touch Menu > **Add**.
- To **edit** or **delete** a word, touch and hold it.

SCHEDULE

helping you stay in control

QUICK START: SCHEDULE

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



- To **create** an event, touch > **Calendar** > Menu > **More** > **New event**, then enter details (to close the display keyboard, touch Back).

  Calendar synchronizes with your Google account calendar, which you can open from any computer at http://calendar.google.com (or open your calendar within http://mail.google.com). To stop synchronizing with your account, touch Menu > **Settings** > **Accounts & sync**, touch your Google account, then uncheck **Sync Calendar**.

- To **edit** or **delete** an event, touch > **Calendar**, touch the event to open it, then touch Menu > **Edit event** or **Delete event**.

ALARM CLOCK

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

- To turn an alarm **on** or **off**, touch next to it.
- To **add** an alarm, touch **Add alarm**, then enter alarm details.
- To **change** an alarm, touch the time.
- To set a **snooze** period, in the **Alarm Clock** list touch Menu > **Settings** > **Snooze duration**.

When an alarm sounds, touch **Dismiss** to turn it off or **Snooze** to delay it. To cancel a snoozed alarm, drag down the status bar and touch the alarm name.

DATE & TIME

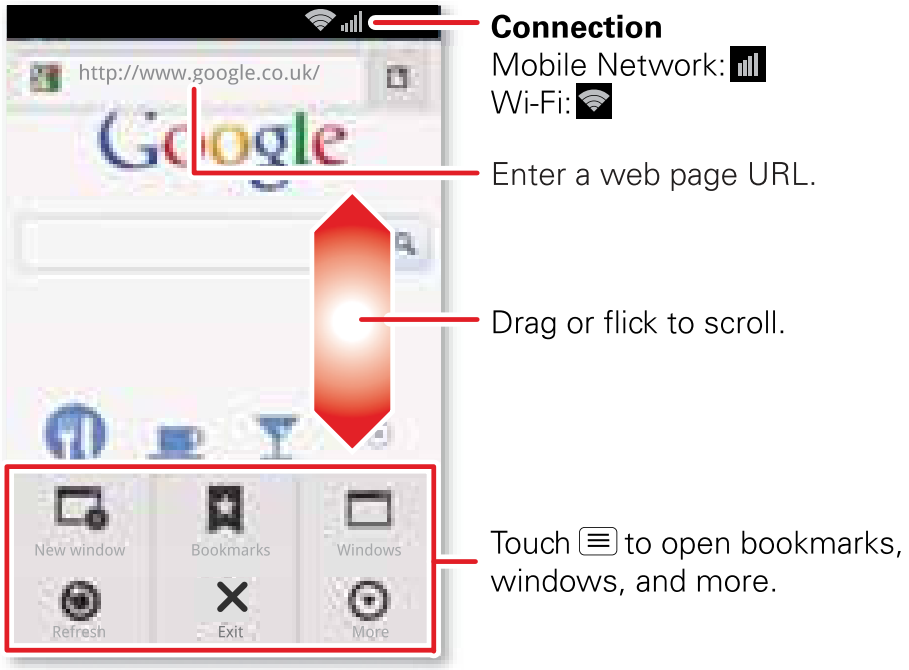
To set the date, time, time zone, and formats, touch Menu > **Settings** > **Date & time**.

WEB

surf the web with your phone

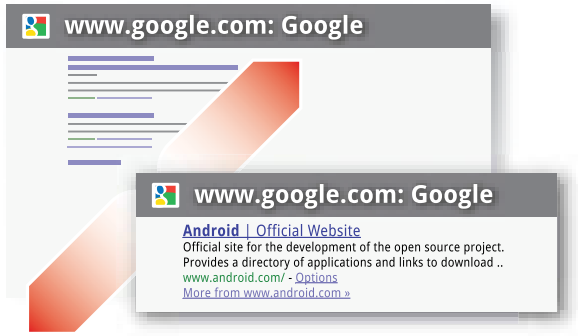
QUICK START: WEB

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



- To enter a **website address** in the browser or your home screen, just touch Search.

- To **zoom** in or out, pinch two fingers together or apart.
- To **send** the website address in a message, touch Menu > **More** > **Share page**.



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 24.

DOWNLOADS

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

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

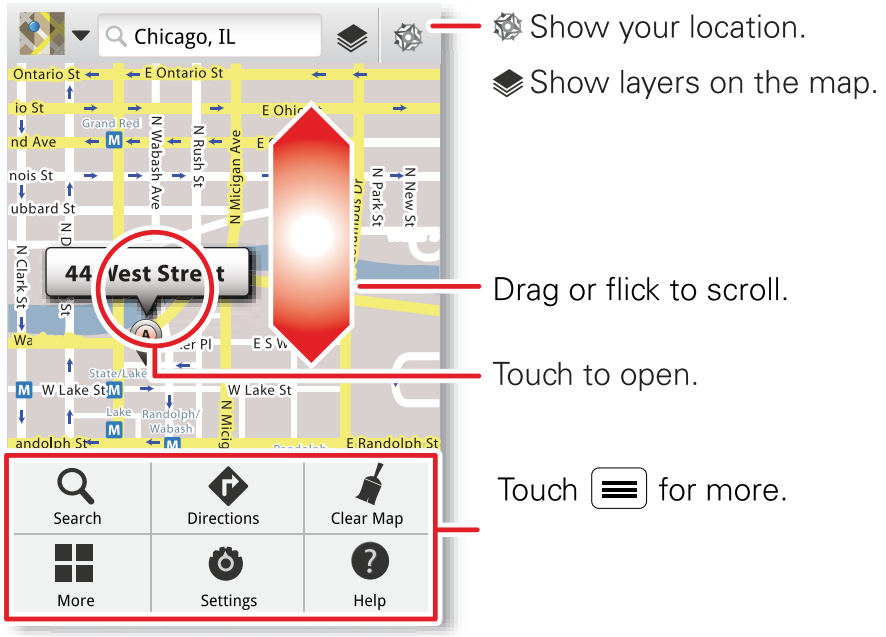
You can download "**Apps**" on page 6.

LOCATION

where you are, and where you're going

QUICK START: LOCATION

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



Google Maps™ offers powerful, user-friendly mapping technology and local business information—including business locations, contact information, and driving directions.

- To find an **address**, enter it in the search box at the top. The map moves to show the address.

  Tip: You can touch and hold a spot on the map to show the nearest address.

- To find stores, restaurants, and other **places** near you, touch at the top.
- To get **directions**, find an address on the map, touch it, then touch .
- To **save** an address for later, touch it, then touch the star by its name to add it to your **Starred Places**.
- For **help**, touch Menu > **More** > **Help**.

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.

GOOGLE LATITUDE™

Google Latitude™ lets you see where your friends and family are on Google Maps™. Plan to meet up, check that they got home safely, or just stay in touch. Don't worry, your location is not shared unless you agree to it. After you join Google Latitude, you can invite your friends to view your location, or accept their invitations.

Touch > **Latitude** and then:

- To **join** Google Latitude, touch Menu > **More** > **Join Latitude**. Read the privacy policy and, if you agree with it, choose to continue.
- To **add** friends, touch Menu > **More** > **Latitude** > Menu > **Add friends**.

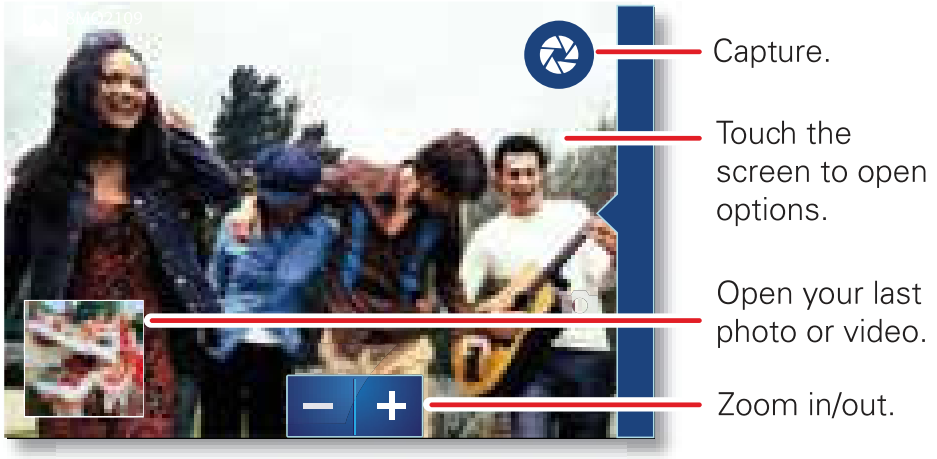
  Touch **Select from Contacts** or **Add via email address**, then touch a contact and **Send sharing requests**. Your friend will receive an email notice.
- To **remove** friends, touch Menu > **More** > **Latitude** to show your friends list. Touch a name, then touch **Remove this friend**.
- To **share** your location when you receive a request, you can choose **Accept and share back** (show your location and see theirs), **Accept, but hide my location** (hide your location, but see theirs), or **Don't accept** (hide both locations).
- To **hide** your location, touch Menu > **More** > **Latitude** to show your friends list. Touch your contact name, then touch **Sharing options** > **Hide from this friend**.
- To **sign out**, touch Menu > **More** > **Latitude** to show your friends list. Touch Menu > **Location Settings** > **Sign out of Latitude**.

PHOTOS & VIDEOS

see it, capture it, share it!

QUICK START: PHOTOS & VIDEOS

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



- To take a **photo**, touch .
- To **switch** to the front camera, touch the screen, then touch **Select camera**.

  To **open** photos and videos, touch > **My Gallery**, then touch a photo or video and touch **Menu** for options like **Share**.
- To record a **video**, touch > **Camcorder**. Touch to start and stop recording.

Tip: For the clearest photos and videos, clean the lens with a soft, dry cloth.

VIEW & SHARE PHOTOS & VIDEOS

From the home screen, touch > **My Gallery**.

Flick left and right to show folders. Touch a folder to show its photos or videos, then touch a thumbnail image to open, share, or delete it.

Tip: From the viewfinder, you can touch the thumbnail in the bottom left to open your last photo or video.

- To **zoom** in, touch the screen with two fingers and then drag them apart. To zoom out, drag your fingers together.
- To **send** or **post** the photo or video, touch **Menu** > **Share**.

  To use a Bluetooth or cable connection, see "**CONNECTIONS**" on page 23.
- 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 .

Tip: Turn the phone sideways for a widescreen view.

YOUTUBE™

The YouTube user-generated content website lets you share videos with YouTube users everywhere. You don't need a YouTube account to browse and view videos.

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

- To **watch** videos, touch a category like **Top rated** or touch Search to find a video. Touch a video to watch it.

  For more video categories, touch Menu > **Browse**.

  To watch a video in high quality, touch Menu > **Settings** > **High quality on mobile**.
- To **share** a video, touch it to open it, touch **More** at the top, choose **Share**, then choose how you want to share it.
- To **upload** a video from your phone to your YouTube account, touch > **YouTube** > Menu > **Upload**. Touch the video, then touch **Upload**.

To sign into your YouTube account, touch > **YouTube** > Menu > **My Channel**.

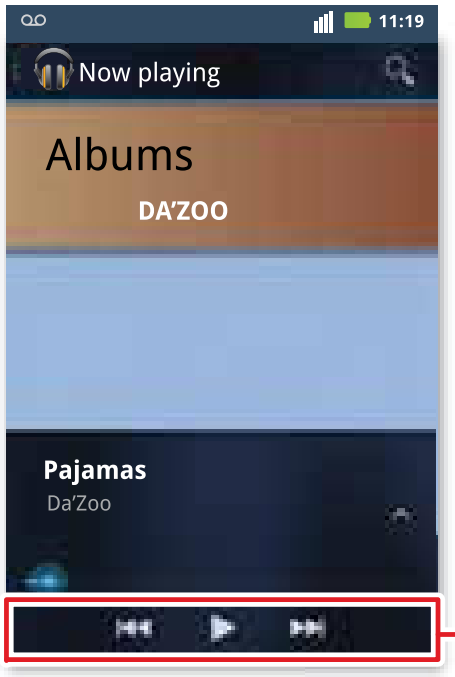
Note: If you don't have an account, touch the link to create one. For more, visit www.youtube.com.

MUSIC

when music is what you need...

QUICK START: MUSIC

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

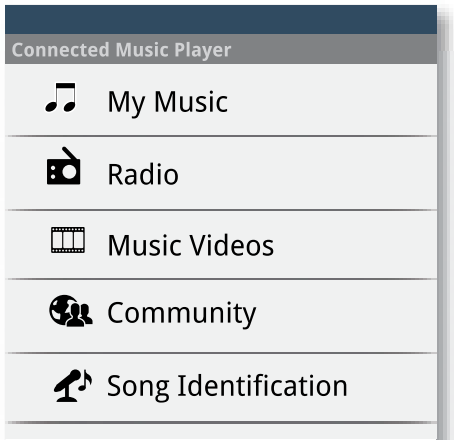


You can use your phone's 3.5mm headset jack to connect wired headphones, or go wireless with a Bluetooth headset in "**CONNECTIONS**" on page 23.

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

CONNECTED MUSIC PLAYER

From the home screen, touch > **Music+**, then choose a category:



My Music. Listen to your tunes.

Radio. Surf the airwaves for fresh music. There's something for everyone. You need a headset for FM Radio. Check out SHOUTcast™ Radio for music from all generations and types.

Music Videos. Watch videos from YouTube™, prerecorded TV shows, and your own videos.

Community. Find songs, see what people are listening to all around the world, and see what's hot on the music charts.

Song Identification. Get information about a song that is playing. Select **Tell me what is playing** and hold your phone close to the source of the music.

Note: Song ID doesn't work well for live music or uneven digital recordings.

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 "**CABLE CONNECTIONS**" on page 25 or "**BLUETOOTH DEVICES**" on page 24.

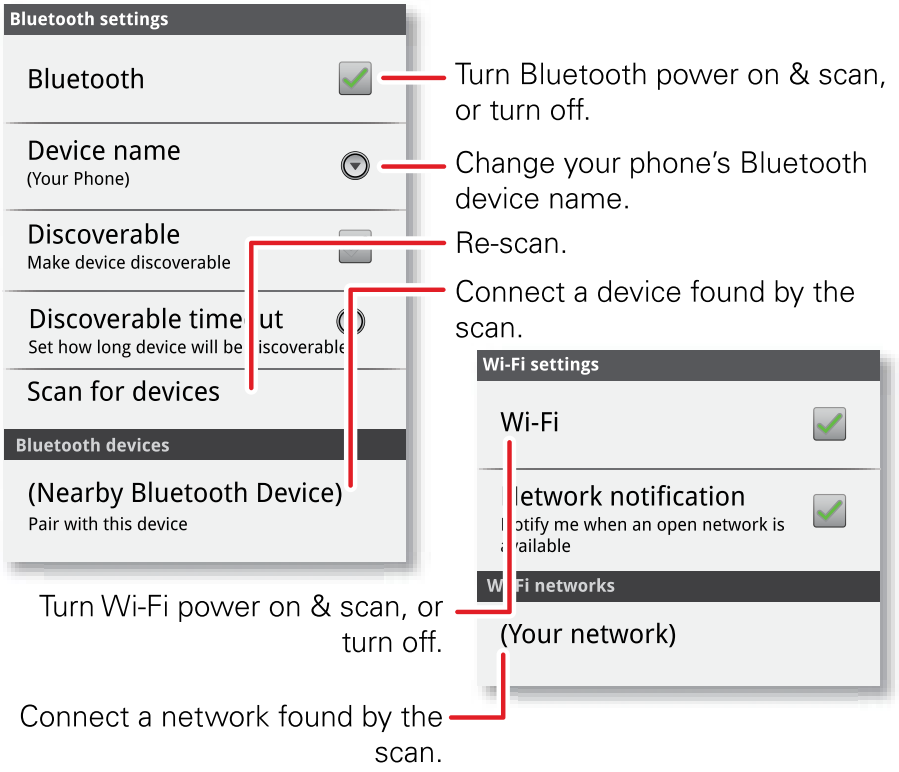
To **save a CD** on your computer ("rip" the CD), you can use a program like Microsoft™ Windows™ Media Player. First, make sure you change the format to MP3 (under Rip > Format in Windows Media Player).

CONNECTIONS

home, office, or hotspot

QUICK START: CONNECTIONS

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



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

Note: Your phone may not have this feature. Check with your service provider for details.

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), including password.

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.

CABLE CONNECTIONS

You can use a cable connection to transfer songs, pictures, or other files between your phone and computer. You will need a:

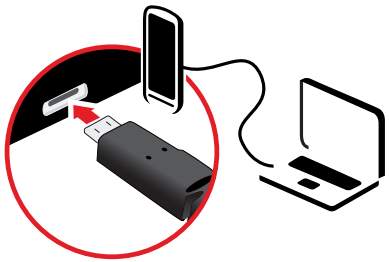
- Microsoft™ Windows™ PC or Apple™ Macintosh™.
- Data cable with a standard USB connector on one end and a micro USB connector on the other end.
- microSD memory card inserted in your phone, as shown in "**ASSEMBLE & CHARGE**" on page 3.

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

To connect your phone and computer with a cable:

1 Insert a memory card in your phone, then connect your phone's micro USB port to a USB port on your computer.

  Note: If your computer asks for your phone's driver files, you can download them from www.motorola.com/support.



2 Your phone should show in the status bar. Flick down the status bar, touch the to enable your phone's memory card.

3 On your computer, open a program (like Windows™ Media Player for music files, or Microsoft™ Windows™ Explorer to drag and drop other files) and use it to transfer your files.

MOBILE NETWORKS

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

From the home screen, touch Menu > **Settings** > **Wireless & networks** > **Mobile networks** to show options for roaming networks, network selection, operator selection, and access point names.

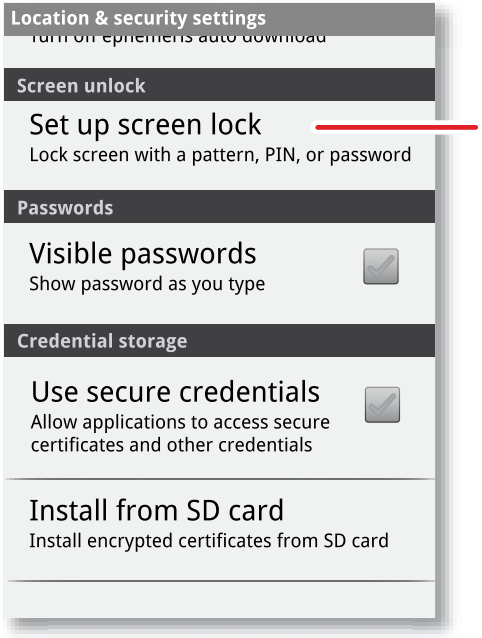
Note: To make any call, the phone must be connected to a cellular voice network enabled for the region that you are in.

SECURITY

help keep your phone safe

QUICK START: SECURITY

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



Set a lock pattern, PIN, or password required to wake up the screen.

To set a **lock pattern**, **PIN**, or **password** that you must enter whenever you wake up the screen, 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 12). 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.

TIPS & TRICKS

a few handy hints

GENERAL TIPS

- Touch **Search** in the home screen to search across your apps, contacts, web, and maps—or just enter the address for a place or a web page. Touch Search in Google **Play Store**, **Messaging**, **Music**, and other apps to search within the app.
- Use **folders** to organize shortcuts and contacts on your home screen.

  Touch and hold a blank spot on your home screen, then touch **Folders**. To move shortcuts into a **New folder**, touch and hold a shortcut, then drag it to the folder icon.
- Touch and hold Home to show your most **recent apps**.
- Touch and hold the status bar at the top of your phone to show the **date**.
- To change which **location** information your phone uses, touch Menu > **Settings** > **Location & security**.
- To **back up** your app data, passwords, and other settings to Google servers, touch Menu > **Settings** > **Privacy** > **Back up my data**.

BATTERY TIPS

Your phone is like a small computer, giving you a lot of information and apps, at 3G speed, with a touch display! Depending on what you use, that can take a lot of power.

To start getting the most out of your battery, touch > **Battery Manager** > **Battery mode**. Choose **Performance mode** for constant data transfer and battery use, **Maximum battery saver** when your battery is low, or **Nighttime saver** if you want to limit your data and wireless connections during off-peak hours.

To save even more battery life between charges, you could reduce:

- recording or watching videos, listening to music, or taking pictures.
- widgets that stream information to your home screen, like news or weather.
- Bluetooth™ use: touch Menu > **Settings** > **Wireless & networks** > **Bluetooth** (turn off).
- Wi-Fi use: touch Menu > **Settings** > **Wireless & networks** > **Wi-Fi** (turn off).
- GPS use: touch Menu > **Settings** > **Location & security** > **Use GPS satellites** (deselect).

- network searching: if you are out of coverage, to keep your phone from looking for networks, 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.

- display brightness: touch Menu > **Settings** > **Display** > **Brightness** > *(dimmer setting)*.
- display timeout delay: touch Menu > **Settings** > **Display** > **Screen timeout** > *(shorter setting)*.

TOOLS

helping you stay in control

ACCESSIBILITY

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

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

VOICE RECOGNITION

Use your voice—just touch and speak.

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

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

To change your voice settings, see "**VOICE SETTINGS**" on page 29.

VOICE READOUTS (TALKBACK)

Your navigation and selections, read out loud.

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

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

To use voice readouts:

- **Menus and screens**: In menus and screens, touch an item to highlight it (the item will be read out loud), and double-touch to open it.

  Note: Touch a home screen widget or shortcut to open it.
- **Dialer & text entry**: As you type, each number or letter is read out loud.
- **Notification**: When you flick the notifications bar down, all notifications are read out loud.

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

To change your voice settings, see "**VOICE SETTINGS**" on page 29.

CALLER ID

When you want to **hear** who's calling, assign a unique ringtone to a contact—touch **Dialer** > **Contacts**, open a contact, then touch Menu > **Edit**. Ringtones are listed under **Additional info**.

To change your voice settings, see "**VOICE SETTINGS**" on page 29.

VOICE SETTINGS

Personalize your voice settings:

- **Voice recognition**: Touch Menu > **Settings** > **Voice input & output** > **Voice recognizer settings**. From here, you can set options like language and censorship.
- **Voice commands**: Touch > **Voice Commands** > Menu > **Settings**. From here, you can refine recognition of your voice (**Adaptation**) and set options like prompts and shortcuts.
- **Text-to-speech**: Touch Menu > **Settings** > **Voice input & output** > **Text-to-speech settings**. From here, you can set options like speed and language.

VOLUME & VIBRATE

Choose volume and vibrate settings that work for you. Touch 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** to feel your phone ring.

ZOOM

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

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

DISPLAY BRIGHTNESS

Set a brightness level that works for you. Touch 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**

And to make text entry even easier, you can use features like auto-complete, auto-correct, and auto-punctuate—from the home screen, touch Menu > **Settings** > **Language & keyboard**. Of course if you don't want to type at all, then use your voice—touch on the touchscreen keypad.

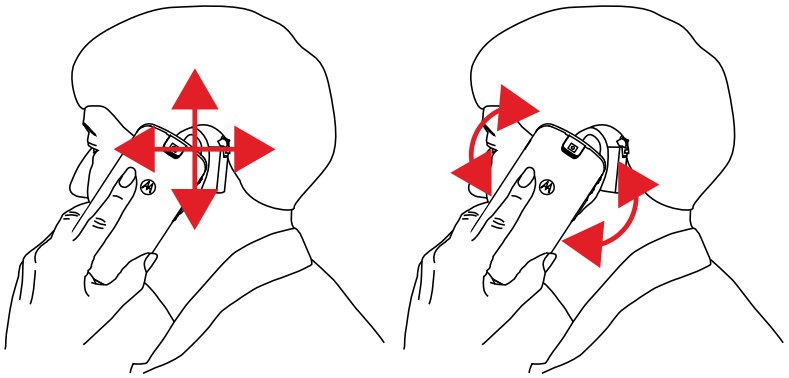
HEARING AIDS

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

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

- **Call volume**: During a call, press the side volume keys to set a call volume that works for you.

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



TTY

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

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

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

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

APPS

Want more? No problem. Google Play Store provides access to thousands of apps, and many provide useful accessibility features.

Find it: > **Play Store**

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

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

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 3), 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 (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 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

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, 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 (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 (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.
	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.

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	XT556 CDMA 1900, Wi-Fi, Bluetooth XT557 CDMA 1900, Wi-Fi, Bluetooth	1.48 W/kg 1.49 W/kg
Body-worn SAR	XT556 CDMA 1900, Wi-Fi, Bluetooth XT557 CDMA 1900, Wi-Fi, Bluetooth	1.45 W/kg 1.33 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.

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
- **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, 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

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 (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 (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.

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 (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 (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).

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**.**

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.

(d) **Damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external causes**; including but not limited to: (i) improper usage or operation (e.g. operating the Product outside their permitted or intended uses as defined by Motorola, including but not limited to as set forth by Motorola in the Products' User Manual, Quick Start Guide, Online Tutorials, and other documentation), improper storage (e.g. subjecting the Product to extreme temperatures), abuse or neglect (e.g. broken/bent/missing clips/fasteners/connectors); impact damage (e.g. dropping the Product) (ii) contact with liquids, water, rain, extreme humidity, heavy perspiration or other moisture; sand, food, dirt or similar substances (except for Products sold as resistant to such substances, but only to the extent the damage was not caused by incorrectly securing the phone's protective elements or subjecting the Product to conditions beyond its stated specifications or limits); (iii) use of the Products for commercial rental purposes; or (iv) external causes or acts which are not the fault of Motorola, including but not limited to flood, fire, earthquake, tornado or other acts of God, are excluded from coverage.

(e) **Unauthorized Service or Modification.** Defects or damage resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way, including but not limited to tampering with or altering the software, by someone other than Motorola, or its authorized service centers, are excluded from coverage. Notwithstanding the foregoing, any Product which has had its bootloader unlocked, or whose operating system has been altered, including any failed attempts to unlock the bootloader or alter such

operating system, is not covered by this warranty, regardless of whether such modifications are authorized, approved, or otherwise sanctioned by Motorola.

(f) **A product or part that has been modified in any manner without the written permission of Motorola.** Products that have been altered in any manner so as to prevent Motorola from determining whether such Products are covered under the terms of this Limited Warranty are excluded from coverage. The forgoing shall include but not be limited to (i) serial numbers, date tags or other manufacturer coding that has been removed, altered or obliterated; (ii) mismatched or duplicated serial numbers; or (iii) broken seals or other evidence of tampering. Do not open the Product or attempt to repair the Product yourself; such conduct may cause damage that is not covered by this warranty.

(g) **Normal wear and tear or otherwise due to the normal aging of the Product.**

(h) **Defects, damages, or the failure of the Product due to any communication service or network you subscribe to or use with the Products.**

(i) **All software, including operating system software, third-party software, applications, and all other software of any kind.** Software distributed by Motorola is provided "AS-IS" and "AS AVAILABLE," "WITH ALL FAULTS" and without a warranty of any kind. The Limited Warranty does not apply to any non-Motorola product or any software, even if packaged or sold with the Motorola hardware, unless otherwise required by applicable local law.

(j) **Products that have been refurbished, reconditioned, or remanufactured**, except for Products repaired or replaced pursuant to the terms of this Limited Warranty.

If damage is outside the scope of warranty coverage, repair services may be available, but all costs associated with such out of warranty repair will be your responsibility.

What Other Limitations are There?

- TO THE EXTENT PERMITTED BY APPLICABLE LAW, THIS LIMITED WARRANTY AND THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS OR IMPLIED. NO ORAL OR WRITTEN REPRESENTATIONS MADE BY MOTOROLA OR ANY SELLER, RESELLER OR DISTRIBUTOR OF THE PRODUCTS, INCLUDING EMPLOYEES AND AGENTS THEREOF, SHALL CREATE ANY ADDITIONAL WARRANTY OBLIGATIONS, INCREASE THE SCOPE, OR OTHERWISE MODIFY IN ANY MANNER THE TERMS OF THIS LIMITED WARRANTY.
- TO THE EXTENT PERMITTED BY APPLICABLE LAW, MOTOROLA SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT AND ALL WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. WHERE SUCH STATUTORY OR IMPLIED WARRANTIES CANNOT LAWFULLY BE DISCLAIMED, THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THE EXPRESS LIMITED WARRANTY CONTAINED HEREIN AND THE REMEDIES OF REPAIR, REPLACEMENT, OR REFUND AS DETERMINED BY MOTOROLA IN ITS SOLE DISCRETION SHALL BE THE EXCLUSIVE REMEDY OF THE CONSUMER.
- TO THE EXTENT PERMITTED BY APPLICABLE LAW, MOTOROLA DOES NOT WARRANT THAT THE OPERATION OF ANY PRODUCTS OR SOFTWARE COVERED UNDER THIS LIMITED WARRANTY WILL MEET YOUR REQUIREMENTS, WORK IN COMBINATION WITH ANY HARDWARE OR SOFTWARE APPLICATIONS OR THIRD PARTY SERVICES, BE UNINTERRUPTED, ERROR-FREE, OR WITHOUT RISK TO, OR LOSS OF, ANY INFORMATION, DATA, SOFTWARE OR APPLICATIONS CONTAINED THEREIN, OR THAT DEFECTS IN THE PRODUCTS OR SOFTWARE WILL BE CORRECTED.
- TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT, TORT OR UNDER OTHER LEGAL THEORY (INCLUDING NEGLIGENCE), FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCTS, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS; LOSS OF BUSINESS; BUSINESS INTERRUPTION; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, OR CORRUPTION OF INFORMATION, DATA, SOFTWARE OR APPLICATIONS (INCLUDING ANY COSTS ASSOCIATED WITH RECOVERING, PROGRAMMING, OR REPRODUCING ANY INFORMATION, DATA, SOFTWARE OR APPLICATIONS STORED ON OR USED WITH MOTOROLA PRODUCTS, OR ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF ANY INFORMATION OR DATA STORED ON THE PRODUCTS); OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS.
- SOME STATES OR JURISDICTIONS DO NOT ALLOW THE LIMITATION OR EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR THE EXCLUSION OR LIMITATION ON THE LENGTH OF AN IMPLIED WARRANTY, OR THE LIMITATION OR EXCLUSION OF DAMAGES FOR PERSONAL INJURIES CAUSED BY NEGLIGENCE, 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 OR JURISDICTION.
- **DATA BACKUP:** ALL INFORMATION, DATA, SOFTWARE OR OTHER APPLICATIONS, INCLUDING BUT NOT LIMITED TO PERSONAL CONTACTS, ADDRESS BOOKS, PICTURES, MUSIC AND GAMES WILL BE ERASED DURING THE REPAIR PROCESS, AND CAN NOT BE REINSTALLED BY MOTOROLA. TO AVOID LOSING SUCH INFORMATION, DATA,

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