



User's Guide



moto x

Check it out

When you're up and running, be sure to explore what your smartphone can do.

- **Watch:** Experience crisp, clear photos, movies, and videos on your large 4.7" HD display. See “**Photos & videos**” on page 39.
- **Automate:** Optimize your smartphone and conserve battery power with Motorola Assist. See “**Motorola Assist**” on page 21.
- **Speed:** Browse and navigate at 4G LTE network speeds. See “**Browse**” on page 37 and “**Locate & navigate**” on page 44.
- **Connect:** Reach out and connect with Wi-Fi networks, Bluetooth® devices, or just by touching NFC phones. See “**Connect & transfer**” on page 48.

Tip: You don't need to carry this guide with you. You can view all of these topics in your smartphone—from the home screen tap Apps  →  **Moto Care**, tap  in the top left, then tap **On-device tutorials, FAQs, or How-tos**.

Contents

At a glance	2
Start	4
Home screen & apps	8
Control & customize	16
Calls	26
Contacts	28
Messages	31
Type	34
Socialize	36
Browse	37
Photos & videos	39
Play Music	42
Play Books	43
Locate & navigate	44
Work	46
Connect & transfer	48
Protect	56
Want more?	58
Troubleshooting	59
Safety, Regulatory & Legal	60

At a glance

First look

Your new Moto X™ has a bright display that goes from one side all the way to the other. Its body curves to fit in your hand. And you'll rarely have to plug it in.

Note: Your smartphone may look a little different.



Tips & tricks

- **Start:** The SIM card is pre-installed in your smartphone. Just charge up, power on, and register. See “**Start**” on page 4.
- **Low Battery LED:** This LED lights up when you plug in your charger and the smartphone’s battery level is too low to power on the display. It means that your smartphone is charging and will be ready to use shortly.
- **Top topics:** Just want a quick list of what your smartphone can do? See “**Top topics**” on page 3.
- **More:** All your questions answered, right on your smartphone. Just tap and tell your smartphone what you want help with. Or tap Apps → **Help**. Want even more? See “**Get more!**” on page 58.

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

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.

Note: When using the product while worn on your body, maintain a distance of 2.5 cm (1 inch) from the body to ensure compliance with SAR requirements. Note that the product may be transmitting even if you are not making a phone call.

Top topics

Check out what your smartphone can do.

- Personalize your smartphone: see “**Redecorate your home**” on page 9.
- Make a quick change: see “**Quick settings**” on page 20.
- Go online: see “**Browse**” on page 37.
- Explore: see “**Google Play™**” on page 7.
- Find apps: see “**Download apps**” on page 13.
- Be social: see “**Socialize**” on page 36.
- Find it yourself: see “**Locate & navigate**” on page 44.
- Take a photo: see “**Take photos**” on page 40.
- Connect to Wi-Fi: see “**Wi-Fi Networks**” on page 50.
- Watch a movie: see “**Play Movies & TV**” on page 42.
- Protect your smartphone: see “**Screen lock**” on page 56.
- Watch interactive guided tutorials: see “**Moto Care**” on page 10.
- Get all the help you need: see “**Get more!**” on page 58.

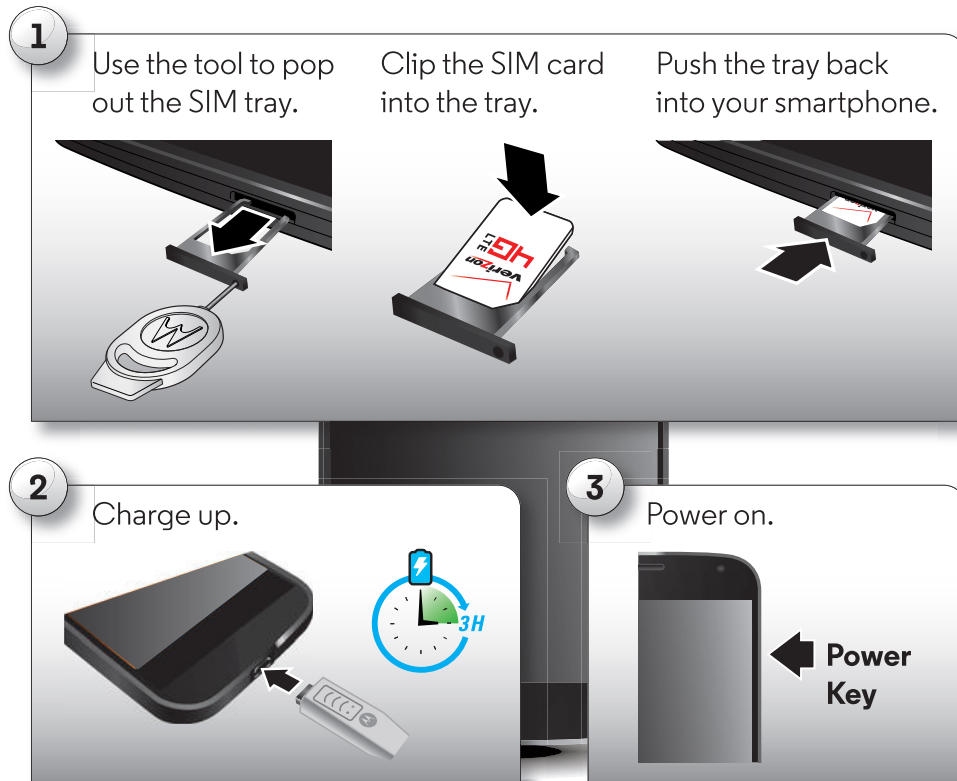
Tips & tricks

- **Intuitive:** To get started quickly, tap Apps  →  **Moto Care** for interactive tutorials.
- **Helpful:** To quickly change common smartphone settings, drag the status bar down and tap  in the upper right. For even more settings, tap  **Settings**.

Start

Charge up

Your SIM card is pre-installed in your smartphone. If you need to replace your SIM, pull the volume keys/SIM tray out of the smartphone as shown in step 1. Otherwise, just charge up and power on.



Caution: Before using your smartphone, please read the safety, regulatory, and legal information provided with your product.

Tips & tricks

- **SIM tray & tool:** The SIM tray is on the side of your smartphone. Press the key-like tool that came in your smartphone's box into the SIM tray to open it. Put your SIM card into the tray. Push the tray back into the phone.
- **Power/Sleep key:** To make the screen sleep or wake up, press the Power key. To turn your smartphone on or off, press and hold the Power key.
- **Battery:** Squeeze every bit of juice out of your battery. See "**Battery life**" on page 5.

Warning: Don't try to remove or replace the battery yourself—doing so may damage the battery and could cause burning and injury. If your smartphone becomes unresponsive, try a reboot—press and hold both the Power and the Volume Up keys until the screen goes dark and your smartphone restarts.

Battery life

Your smartphone gives you tons of information and apps at 4G LTE speed. Depending on what you use, that can take a lot of power.

To see what's using up battery power, tap Apps  →  **Settings** → **Battery**. To set automatic rules to save power, tap Apps  →  **Assist** (see “**Motorola Assist**” on page 21).

Tips & tricks

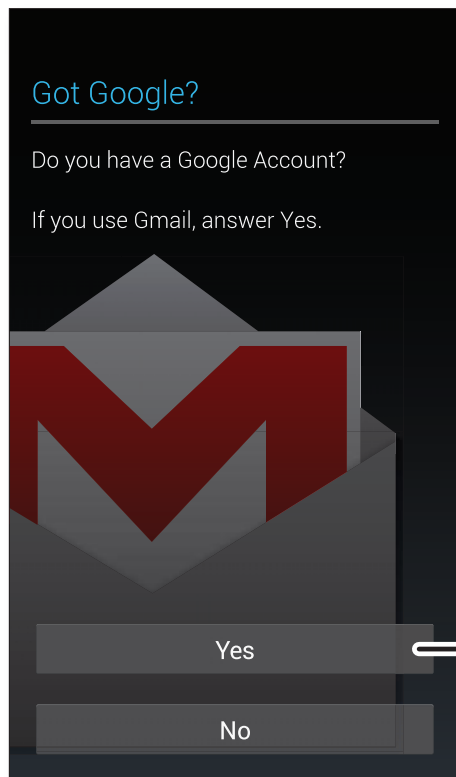
To save even more battery life between charges, you could reduce:

- Wi-Fi and Bluetooth® use: Tap Apps  →  **Settings**, then tap the switch next to **Wi-Fi** or **Bluetooth** to turn them  when you don't need them.
- GPS use: Tap Apps  →  **Settings** → **Location access**, and uncheck **GPS satellites**.
- Display brightness: Tap Apps  →  **Settings** → **Display** → **Brightness** → (dimmer setting).
- Display timeout delay: Tap Apps  →  **Settings** → **Display** → **Sleep** → (shorter setting).
- Widgets that stream information to your home screen, like news or weather.
- Unused online accounts that you registered: Tap Apps  →  **Settings**. Go to the **ACCOUNTS** section, and tap the one you want to remove. Tap it again, then tap Menu  → **Remove account**.
- Recording or watching videos, listening to music, or taking pictures.

Sign in

After you power on, let your smartphone walk you through the setup.

If you use Gmail™, you already have a Google™ account—if not, you can make an account now. When you sign in with your Google account, all your contacts, calendar, and email automatically appear, just like magic.



Contacts, appointments, photos, & more—sign in to see it all.

Tips & tricks

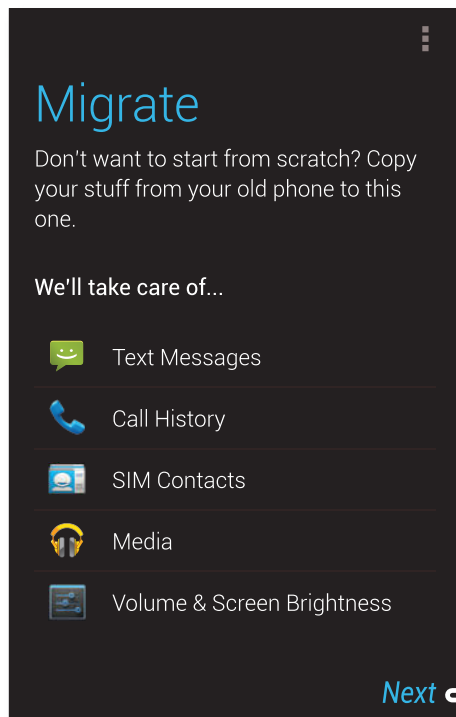
- **Wi-Fi network:** Conserve your monthly data allowance by switching from the Verizon network to a Wi-Fi network for your internet connections. Drag the status bar down and tap  → **Wi-Fi**. There's more in "**Wi-Fi Networks**" on page 50.
- **Reboot:** If your smartphone becomes unresponsive, try a reboot. Press and hold both the Power and the Volume Up keys until the screen goes dark and your smartphone restarts. It may take a couple minutes.
- **Accounts:** To add, edit, or delete accounts, tap Apps  →  **Settings**. Go to the **ACCOUNTS** section, and tap **+ Add account** to add one. Or, tap an account → Menu  → **Remove account** to delete it from your smartphone, if allowed. To set up email accounts, see "**Email**" on page 32. For help with your Google™ account, visit www.google.com/accounts.
- **Contacts:** To get your contacts from your old phone, you have options. If your old phone was also an Android and you used the Android Backup and Restore feature, your contacts automatically appear on your new smartphone. Otherwise, use the Migrate app in "**Old phone to new phone**" on page 7. Or, visit www.motorola.com/transfercontacts.

Note: This smartphone supports apps and services that may use a lot of data, so make sure your data plan meets your needs. Contact Verizon Wireless for details.

Old phone to new phone

Moving your photos, music, text & call history, contacts and more from your old Android smartphone is quick and painless.

- 1 On your old Android smartphone, download the Motorola Migrate app on Google Play™ to get started.
- 2 Start the Migrate app (tap Apps  →  **Migrate**) on both smartphones.
- 3 Tap **Next** on your new smartphone and follow the on-screen instructions.



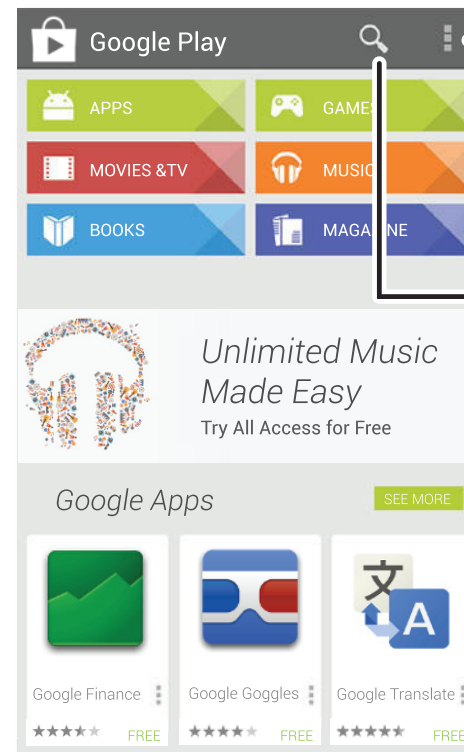
Tap here to get started.

Tips & tricks

- While you're migrating, you can keep using your smartphone.
- If you didn't migrate when setting up your new smartphone, you can always do it later.

Google Play™

Google Play is a new digital content experience from Google where you can find and enjoy your favorite music, movies, TV shows, books, magazines, and Android apps and games. It's



Change your settings, redeem a Google Play gift card, and more.

Search for the perfect app.

your entertainment hub: you can access it from the web or from your Android device, and all your content is instantly available across your devices.

Tips & tricks

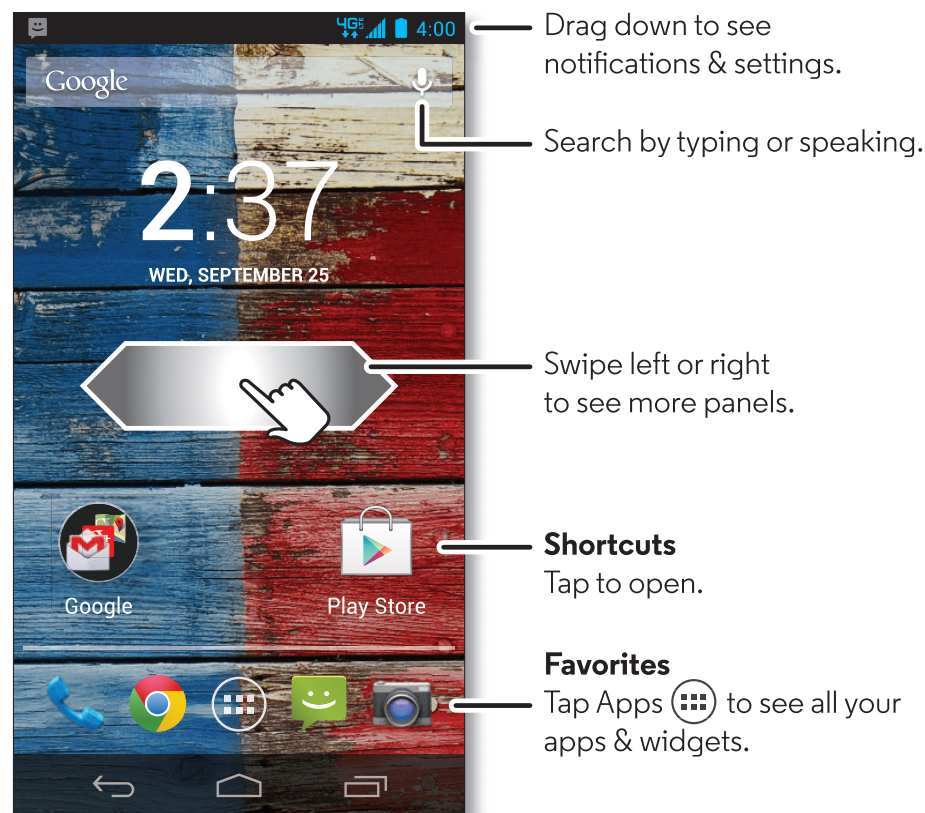
- Find out more about **Google products**: See www.google.com/about/products.
- Log in or open a **Google account**: Visit www.google.com/accounts.
- **Google help**: See www.google.com/support.
- **Download Android apps**: Tap Apps  →  **Play Store**.
- Access all of your files **in the cloud**: Check out “**Your cloud**” on page 54.

Home screen & apps

Quick start: Home screen & apps

Start from the home screen to explore apps and more.

- **Home screen**: You'll see the home screen when you turn on your smartphone or tap Home .
- **App & widget list**: To show all of your apps and widgets, tap Apps . (To see widgets, touch **WIDGETS** at the top.)



- **More:** To download more apps and widgets on Google Play™ Store, tap Apps  →  **Play Store**.

Tips & tricks

- **Pages:** To show other pages of shortcuts and widgets, swipe the home screen left or right.
- **Settings:** To quickly open settings, drag the status bar down and tap  →  **Settings**.
- **Uninstall:** To uninstall apps, tap Apps , touch and hold an app, then drag it to **Uninstall** (if available).

Redecorate your home

For quick access to your favorite things, customize your home screen the way you want.

- **Change wallpaper:** Touch and hold an empty spot on your home screen to choose your wallpaper.
- **Create shortcut groups:** You can group app shortcuts together on your home screen to organize them.

To create a shortcut group on your home screen, drag one shortcut onto another. Add more shortcuts by dragging them onto the first shortcut. To name the group, tap it and enter a name below the apps.

- **Add shortcuts & widgets:** Tap Apps , touch and hold an app or widget, then drag it to one of your home screen pages. To see all your apps and widgets, tap Apps  and swipe the menu screen to the left, or tap **APPS** or **WIDGETS** at the top.

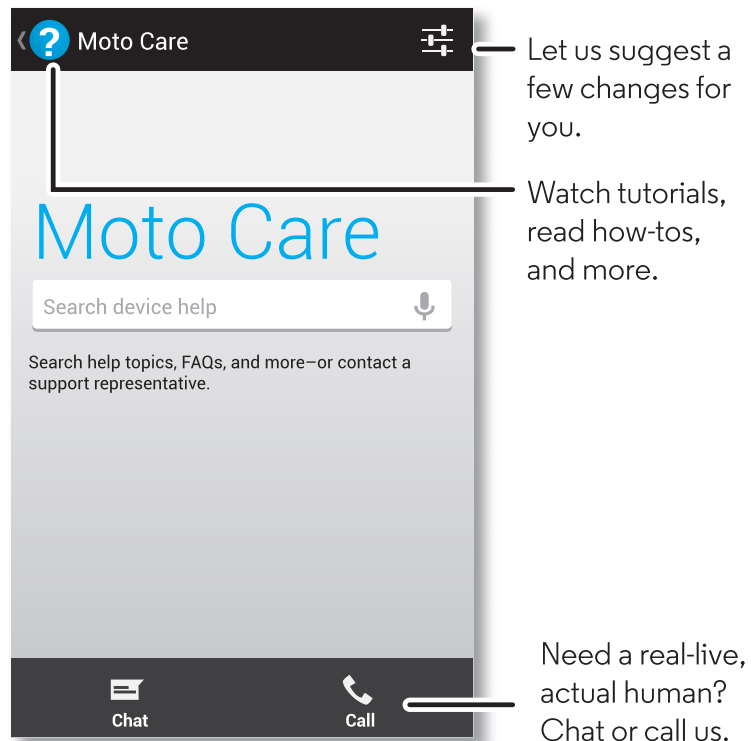
Tip: Some apps include widgets. To download apps, tap Apps  →  **Play Store**.

- **Resize widgets:** You can resize some widgets—touch and hold a widget until you feel a vibration, then release. Drag the blue circles at the edges to resize.
- **Move or delete widgets & shortcuts:** Touch and hold a widget or shortcut until you feel a vibration, then drag it to another spot, another page, or **Remove** at the top of the screen.
- **Ringtones and more:** For more about customizing, see “**Control & customize**” on page 16.

Moto Care

How do you do it? Watch a tutorial. Read a how-to. Talk to someone. Find out anything about your smartphone.

Find it: Tap Apps  →  **Moto Care**



Let us suggest a few changes for you.

Watch tutorials, read how-tos, and more.

Need a real-live, actual human? Chat or call us.

Search

Type text in the Google Search box at the top of the home screen, or tap  for Google Voice Search™.

As you type, suggestions appear below the search field:

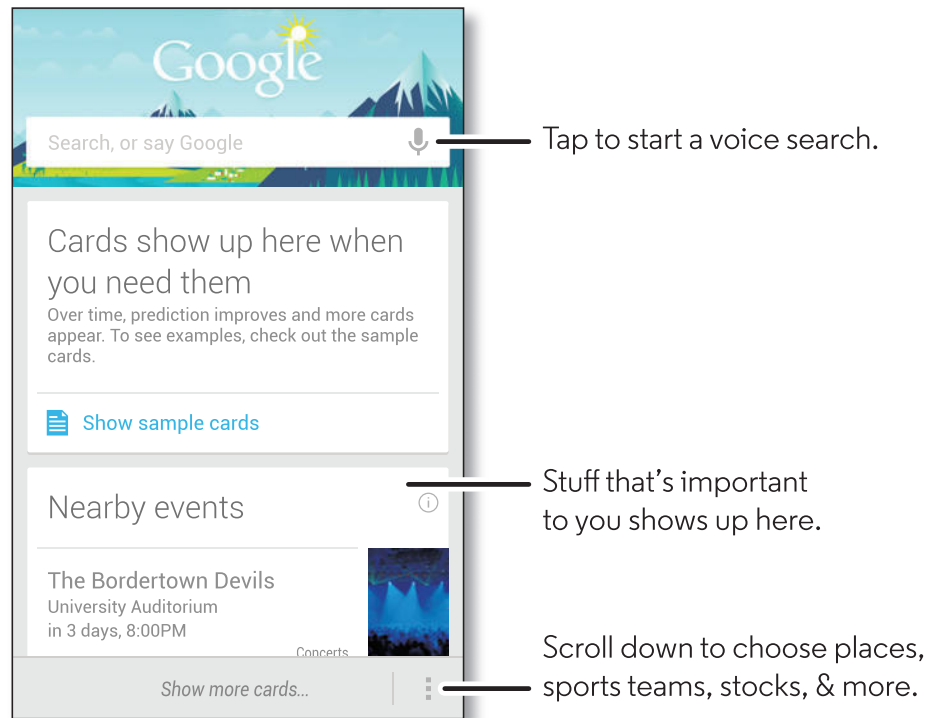
- To search for a suggestion, touch it.
- To search for text in the search field, tap  on the touchscreen keyboard.

Tip: To close the touchscreen keyboard, tap Back .

Google Now™

What's going on in your world? Current traffic, weather, stocks, sports scores, your appointments. The right information at just the right time.

To get started, touch and hold Home , then swipe up to the Google icon .

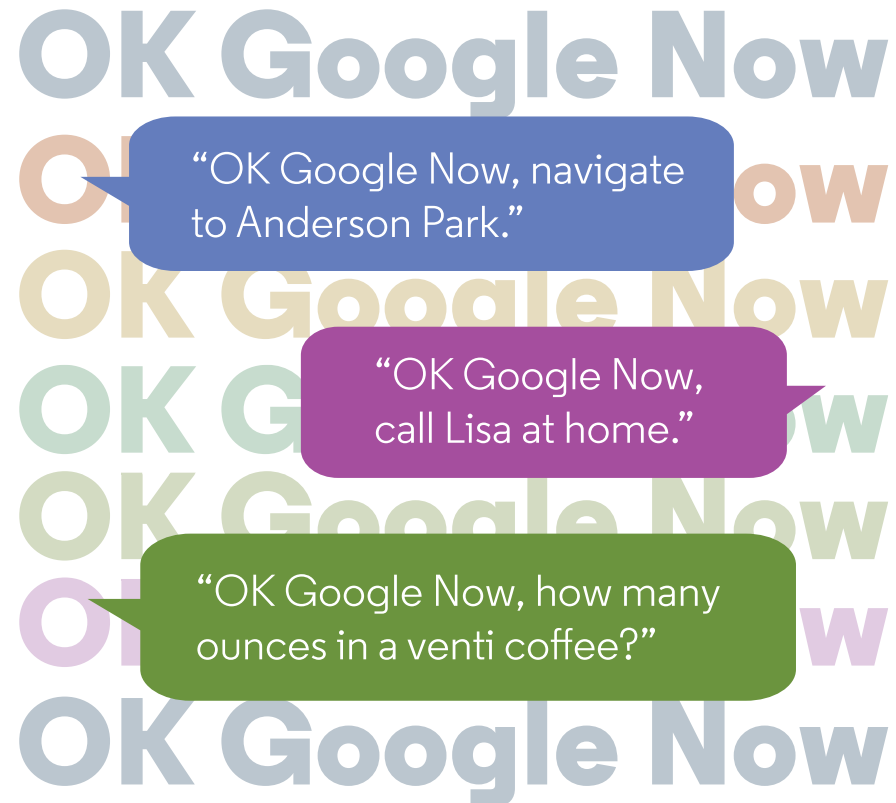


To turn Google Now on/off, set your preferences, or learn more, open Google Now, scroll to the bottom of the screen, and tap Menu  → **Settings** → **Google Now**.

Touchless control

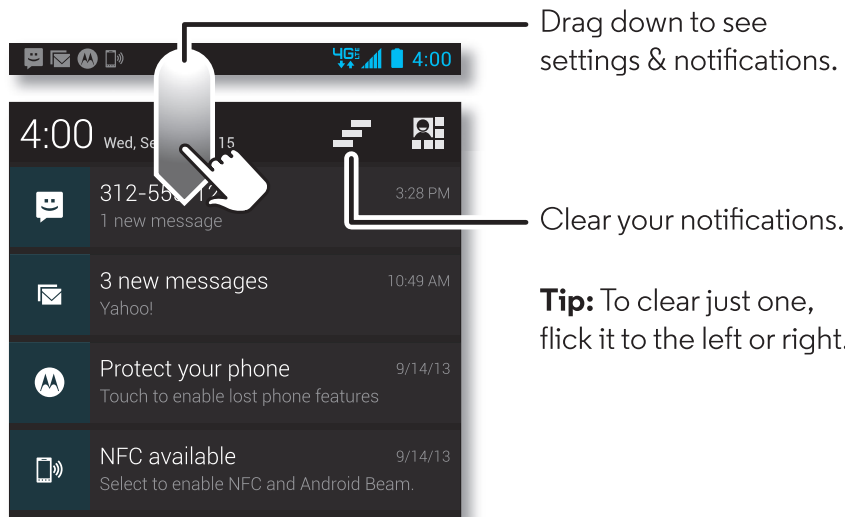
Tell your smartphone what you want without touching it, even if it's asleep on the table. Get directions using Google Voice Search, check voicemail, play your favorite song.

- **Train it:** Tap Apps  → **Settings** → **Touchless Control** to train your smartphone to recognize your voice.
- **Remember it:** The magic words to wake up your smartphone are, "**OK Google Now.**"
- **Say it:** Just say, "OK Google Now" followed by a command, whenever you need something. For a list of commands, say, "OK Google Now, **help me.**"



Status & notifications

At the top of the screen, icons on the left notify you about new messages or events. If you don't know what an icon means, drag the status bar down for details.



Tip: To quickly change common settings, tap  in the upper right. For more, see “**Quick settings**” on page 20.

Icons on the right tell you about smartphone status:

 network strength ( = 4G LTE network)	 /  battery charging/full
 /  Wi-Fi in range/connected	 silent
 /  Bluetooth® on/connected	 vibrate
 GPS active	 alarm set
 airplane mode	 warning
 /  microphone off/on	 /  wireless display connected/on

Network and Wi-Fi icons turn blue when your smartphone is linked with your Google account.

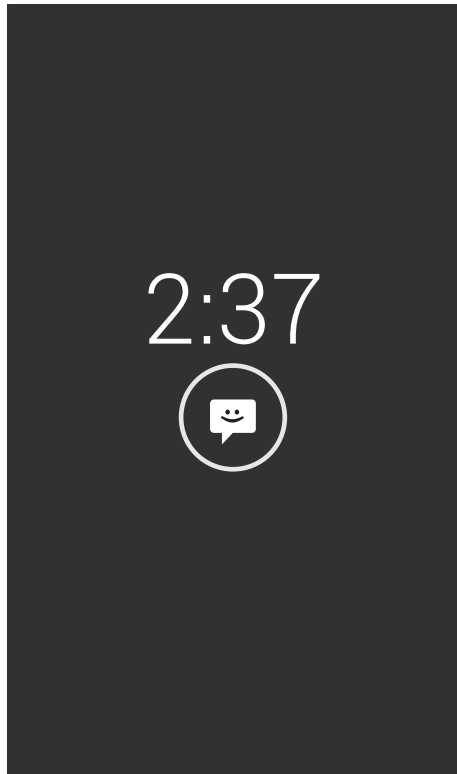
Note: Apps you download on Google Play™ Store might show other icons in the status bar to alert you to specific events.

Active Display

See messages, calls, and more coming in to your smartphone, no matter what screen you're on. Even when your smartphone is sleeping, info quietly appears on your screen to tell you what you need to know—you choose the alerts.

Find it: Apps  →  **Settings** → **Active Notifications**
→ **Active Display**

Tip: If that's not your style, select **More privacy** to keep it all hidden.



If your smartphone is asleep when you get a text, it lets you know.



Touch & hold to see the text. Drag up to open the text, or down to unlock your smartphone.

Motorola Connect

Use your Google account to connect your smartphone to your computer. See call, contact, and messaging info on your computer. Know who's calling before you reach for your smartphone. Send and receive text messages from your desk using a simple add-on to your desktop Chrome™ browser.

Find it: Tap Apps  →  **Settings** → **Active Notifications** → **Motorola Connect**

Download apps

Google Play™

Get music, movies, books, apps, games, and more.

Find it: Tap Apps  →  **Play Store**

- **Find:** To search, tap  in the top right.
- **Download:** To download an app you found, tap it to open details and then tap **Install**, or the price.
- **Share:** To share an app you found, tap it to open details and then tap Menu  → **Share**.
- **Reinstall:** To show or reinstall apps you downloaded from Play Store, tap Menu  → **My Apps**.

- **Use a computer:** To find and manage apps from any computer, go to <http://play.google.com> using your Google account and password.
There, you can browse apps on the big screen, manage your apps across multiple devices (like a smartphone and tablet), and even set new apps to download to your devices.
- **Enjoy music, books & movies:** You can also use Google Play Store to access the “**Play Music**”, “**Play Books**”, and “**Play Movies & TV**” apps.
- **Get help:** To get help and more, tap Menu  in the top right.

Apps from the web

You can get apps from online app stores using your browser.

Tip: Choose your apps and updates carefully, as some may impact your smartphone’s performance—see “**Choose carefully**” on page 14.

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 let your smartphone install apps that are not on Google Play, tap Apps  →  **Settings** → **Security** and check **Unknown sources**.

To download files from your browser, see “**Downloads**” on page 38.

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 smartphone or privacy, use apps from trusted sites, like Google Play.
- On Google Play, check the app’s 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.

Take Care of your apps

From your home screen tap Apps , then swipe left to scroll through apps. To close the apps screen, tap Home  or Back .

- **Uninstall apps:** Tap Apps  →  **Settings** → **Apps**. Swipe left to **ALL**, tap an app, then tap **Disable** or **Uninstall** in the top right (if available).

Disable removes the app from your menu—to **Enable** it, reopen this window and tap **Enable** (disabled apps are at the bottom of the list).

If an app locks up your smartphone as soon as you turn it on, restart in Safe Mode: Turn off your smartphone, then turn it back on—when you see the “Motorola” logo during power-up, press and hold both volume keys until you see the home screen, with **Safe Mode** in the lower left. Then, try removing the app.

- **Reinstall apps:** To reinstall apps on Google Play Store, tap Apps  →  **Play Store** → Menu  → **My apps**. The apps you downloaded are listed and available for download.
- **Share, show, or clear app details:** Tap Apps  →  **Settings** → **Apps**. A bar at the bottom tells you how much app storage space you have left. Swipe left or right to see the list of **DOWNLOADED**, **RUNNING**, or **ALL** apps, then tap an app in the list to show its details and storage usage. You can tap **Share**, **Clear data** or other options.

Tip: To quickly show these app details from your app screen: Touch and hold an app, then drag it to **App info**.

- **Show app data usage:** To show which apps are using the most data, tap Apps  →  **Settings** → **Data usage**. For more, see “**Data use**” on page 52.

Update your smartphone

Use your smartphone or computer to check, download, and install smartphone software updates.

- Using your smartphone:

If your smartphone notifies you about an update, follow the instructions to download and install it.

To manually check for updates, tap Apps  →  **Settings** → **About phone** → **System updates**.

Your smartphone downloads updates over your Wi-Fi connection (if available) or mobile network. We recommend that you download updates when you have a Wi-Fi connection. Remember, these updates can be quite large (25MB or more) and may not be available in all countries. If the mobile network updates are not available in your country, update using a computer.

- Using your computer:

On your computer, go to www.motorola.com/support and check the “Software Updates” links. If an update is available, just follow the installation instructions.

Control & customize

Quick start: Control & customize

Take control of your smartphone:

- **Touch:** It's all in the touch. Simple gestures and touch keys to move about.
- **Search:** Type text in the Google Search box at the top of your home screen, or tap  to search by voice.



Touch & hold an empty spot to change wallpaper.

Tap an app to open.
Touch & hold to move or delete.

- **Customize:** Get your notifications and more—drag the status bar down and tap . Tap  **Settings** for more settings.

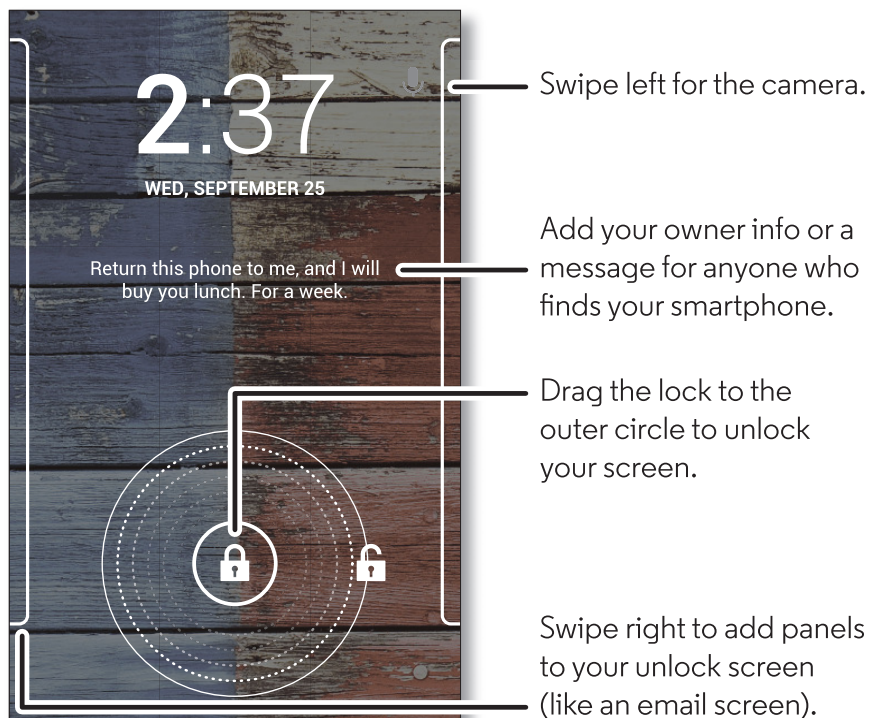
Tips & tricks

- **Tap:** Choose an icon or option.
- **Touch and hold:** Open options for items in lists.
- **Drag:** Move items on the home screen.
- **Flick:** Quickly open or delete items.
- **Swipe:** Scroll through lists or between screens.
- **Pinch or double-tap:** Zoom in and out on websites, photos, and maps.
- **Twist:** Twist a map with two fingers to rotate it, and pull two fingers down to tilt it.
- **Speak:** Tap  in a search window or on a touchscreen keyboard.
- **Add shortcuts & widgets:** Tap Apps , touch and hold an app or widget, then drag it to one of your home screen pages. (To see widgets, tap Apps , then tap **WIDGETS** at the top.
- **Ringtone for a contact:** To set a personal ringtone for a contact, tap  **People**, tap the contact, then tap Menu  → **Set ringtone**.
- **Quick settings:** To change Wi-Fi, Bluetooth, Airplane mode, and other settings, drag the status bar down and tap . For even more settings, tap  **Settings**.

- **Home screen:** For more about changing your home screen, see “**Redecorate your home**” on page 9.

On, off, lock & unlock

Your touchscreen is on when you need it and off when you don't. To turn the screen on, press the power key.



- **Screen off & on:** Press the Power key to turn the screen off & on.

Note: During a call, your touchscreen might stay dark if the proximity sensor just above the top of the screen is covered.

Don't use covers or screen protectors (even clear ones) that cover this sensor.

- **Screen lock:** To unlock the screen, touch  and drag to the outer circle that appears. To use a pattern, PIN, password, facial recognition security, or a connected device (like a Bluetooth® headset or your car) to unlock your screen, tap Apps  →  **Settings** → **Security** → **Screen lock**. See “**Screen lock**” on page 56.
- **More panels & apps:** To open more apps from your lock screen, swipe the screen right, tap , and choose the apps you want to add.
- **Owner info:** To add a message to your lock screen in case you lose your smartphone, tap Apps  →  **Settings** → **Security** → **Owner info**. (To set your message, just tap Back .)
- **Tip:** Don't put your mobile number as your contact info unless you can access your voicemail from another device.
- **Screen timeout:** To change your timeout (screen locks automatically), tap Apps  →  **Settings** → **Display** → **Sleep**.
- **Sleeping smartphone, active display:** When your smartphone is asleep and the active display is working, touch  and drag down to  to unlock the screen.

Tip: To change the notifications your sleeping smartphone flashes, tap Apps  →  **Settings** → **Active notifications**. See “**Active Display**” on page 12.

Touch

Find your way around:

- **Back:** Tap Back  to go to the previous screen.
- **Home:** Tap Home  to return to the home screen.
- **Recent apps:** Tap Recent  to show your recent apps, and tap an app to reopen it. To remove an app from the list, flick it left or right. To scroll the list, swipe up or down.
- **Menu:** When Menu  appears in the corner of the screen, you can tap it to open options for the current screen.

Lost or stuck? If you're not sure what to do next, try one of these:

- To **open** a text message, show contact details, or open items in a list, tap the message, contact, or item.
- To **show options** for a list item (if available), touch and hold the item.
- To **show a menu** for the current screen, tap Menu  in the corner of the screen (if available).
- To **return home** to the home screen, tap Home .
- To **go back** just one screen, tap Back .
- To **close** a touchscreen keyboard, tap .
- To **reopen** an app you closed, tap Recent  and tap the app in the list.

- To **reboot** an unresponsive smartphone, press and hold both the Power and the Volume Up keys until the screen goes dark and your smartphone restarts.

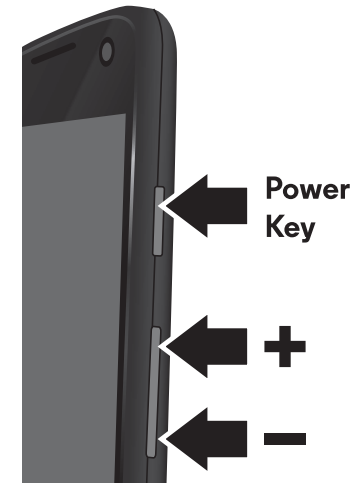
Press

Power key

Press and hold the Power key to choose **Power off**, **Airplane mode** (no wireless connections—see “**Airplane mode**” on page 55), silent , vibrate , or sound on .

Put the touchscreen to sleep by pressing the Power key. To wake up the touchscreen, just press the Power key again.

Tip: To add more security to your smartphone, see “**Protect**” on page 56.



Volume keys

Your volume keys help in a few ways:

- **Ringer volume:** Press the keys in the home screen. Press them when your smartphone is ringing to silence it.
- **Earpiece volume:** Press the keys during a call.
- **Music/video volume:** Press the keys during a song or video.

Speak

Just tell your smartphone what you want.

Tip: Speak naturally but clearly, like using a speakerphone.

- **Dialing and commands:** Tap . To dial, say “Call” and then a contact name or phone number. Or, say a command like “Send text,” “Go to” an app, or “Help” for voice command help.

Tip: If a contact has more than one number, you can say which number to call. For example, “Call Joe Black Mobile” or “Call Suzi Smith Work.”

To choose the confirmations and prompts you want to hear, tap  → Menu  → **Settings** → **Voice**.

To set up your phone to start listening to your commands, see “**Touchless control**” on page 11.

- **Search:** Tap  in the home screen to search by voice.
To change your voice search and text-to-speech settings, tap Apps  →  **Settings** → **Language & input**.

- **Text entry:** On a touchscreen keyboard, tap , then speak your message. You can also speak punctuation.

Tip: To make your smartphone read out loud, see “**TalkBack**” on page 21.

Customize

Customize your smartphone’s sounds and appearance:

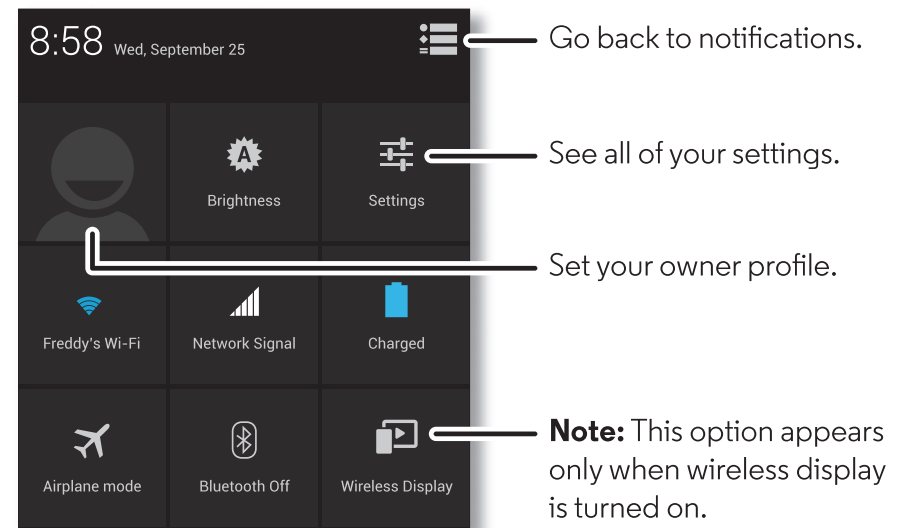
- **Ringtone and notifications:** To choose ringtones or notifications, tap Apps  →  **Settings** → **Sound**.
- **Vibrate or silent:** To make your smartphone vibrate for incoming calls, tap Apps  →  **Settings** → **Sound** → **Vibrate when ringing**. To turn off ringtones for incoming calls, tap Apps  →  **Settings** → **Sound** → **Phone ringtone** → **None**.
- **Ringtone for a contact:** To set a personal ringtone for a contact, tap  **People**, tap the contact, then tap Menu  → **Set ringtone**.
- **Volume:** To set volume, just press the volume keys in the home screen (ringtone volume), during a call (earpiece volume), or while playing music or a video (media volume).
- **Message alert:** To change your new message notification, tap Apps  →  **Messaging** → Menu  → **Settings**, and check **Notifications**.
- **Display settings:** To change brightness and other display settings, tap Apps  →  **Settings** → **Display**.

- **Rotate:** In many apps, the touchscreen switches from portrait to landscape when you rotate your smartphone. To turn this on or off, tap Apps  →  **Settings** → **Display** → **Auto-rotate screen**.
- **Home screen:** To change your wallpaper, touch and hold an empty spot on your home screen. For more, see “**Redecorate your home**” on page 9.
- **Language and region:** To set your menu language and region, tap Apps  →  **Settings** → **Language & input** → **Language**.

Quick settings

To change Wi-Fi, Bluetooth, Airplane mode, and other settings, drag the status bar down and tap . For even more settings, tap  **Settings**.

Note: Your quick settings may look a little different.



Shortcut: To directly open the quick settings screen, drag the status bar down with two fingers.

Shortcut: To quickly turn Bluetooth or Wi-Fi power on and off, touch and hold the setting icon until you feel a vibration.

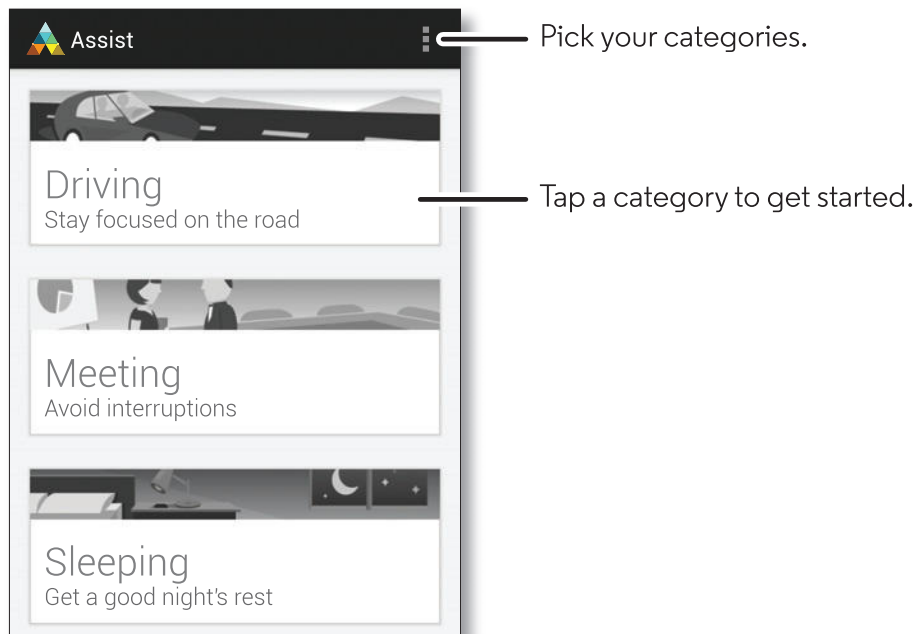
Tip: To set up your owner profile, tap  **People** → **Set up my profile**. (You may need to scroll to the top of the screen.)

Motorola Assist

Wish your smartphone could automatically reply to texts when you're driving, silence your ringer during meetings, and conserve your battery when it runs low? It can.

Motorola Assist suggests actions to automate, based on how you use your smartphone. When you see a suggestion in the status bar, drag the bar down to accept or delete it.

Find it: Tap Apps  →  **Assist**.



Accessibility

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

Find it: Tap Apps  →  **Settings** → **Accessibility**

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

Voice recognition

Just tell your smartphone what you'd like to do—dial, browse, search, send a text, and more. Check it out—tap  at the top of the home screen for voice search. Or, say “OK Google Now” to launch always-on smart voice commands.

TalkBack

Use TalkBack to read your screen out loud—your navigation, your selections, even your books.

To turn on TalkBack, tap Apps  →  **Settings** → **Accessibility** → **TalkBack**, then tap **OFF** at the top to turn it **ON**.

Note: You might need to download text-to-speech software (data charges may apply).

To use TalkBack:

- **Menus and screens:** Tap an item in a menu or screen. Your smartphone speaks the name.
- **Dialer & text entry:** Start typing. Your smartphone speaks each number or letter.

- **Notifications:** Drag the status bar down. Your smartphone speaks all of the notifications.
- **Books & more:** Open a book, file, message, and more. Your smartphone reads the text out loud (app dependent).
- **Browsers:** Enable web pages in your browser to be read out loud: See “**Web accessibility**” on page 23. Move between pages, paragraphs, lines, words, or characters.

Tip: Navigate through your menus to hear how voice readouts work on your smartphone.

To pause/resume TalkBack:

- Wave your hand over the proximity sensor at the top of the smartphone. To activate this feature, tap Apps  →  **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Use proximity sensor**.
- When Explore by Touch is on, swipe down then right to open the global context menu, then use the menu to pause TalkBack.

Explore by touch

Use Explore by Touch to expand TalkBack, and have your touches read out loud as you move your finger around the screen.

To turn on Explore by Touch when TalkBack is active, tap Apps  →  **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Explore by touch**.

Tip: When you turn on TalkBack for the first time, your smartphone asks if you want to **Enable Explore by Touch?** Tap **OK** to turn it on.

Explore by Touch changes your smartphone’s touch gestures so the location of your touches can be read out loud.

- **Touch** something on the screen to hear a description or text readout.
- **Double-tap** anywhere on the screen to open or activate the last touched item.
- **Swipe** using two fingers to scroll through lists or between screens.

Shortcut gestures let you navigate your smartphone with simple swipe gestures (for example, swipe up then left in a single motion to go to the home screen). To see or change these shortcuts, tap Apps  →  **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Manage shortcut gestures**.

Note: The way these gestures are interpreted is specific to TalkBack. Other accessibility services may use the same gestures for different actions.

To learn more about navigating your smartphone with Explore by Touch, tap Apps  →  **Settings** → **Accessibility** → **TalkBack** → **Settings** → **Launch “Explore by touch” tutorial**.

To turn off Explore by Touch when TalkBack is active, tap Apps  →  **Settings** → **Accessibility** → **TalkBack** → **Settings**, and uncheck **Explore by touch**.

Braille

Combine your Braille display with TalkBack for braille and speech feedback.

- 1 Download the BrailleBack app on Google Play™ Store (tap Apps  →  **Play Store**), and install it on your smartphone.
- 2 Tap Apps  →  **Settings** → **Accessibility** → **BrailleBack**.
- 3 Turn on your Braille display and put it in Bluetooth® pairing mode.
- 4 On your smartphone, tap Apps  →  **Settings** → **Bluetooth**, then tap the Bluetooth power switch to turn it **ON** and scan.
- 5 Tap the name of your Braille display to pair it with the smartphone.

Web accessibility

Apps can install Google™ scripts on your smartphone that make their web content more accessible. Tap Apps  →  **Settings** → **Accessibility** → **Enhance web accessibility**.

Accessibility shortcut

Use simple gestures to quickly activate Talkback and other accessibility features on your smartphone. For more information, tap Apps  →  **Settings** → **Accessibility** → **Accessibility shortcut**.

Caller ID

When you want to hear who's calling:

- **Read out loud:** Have your caller announced—tap Apps  →  **Settings** → **Accessibility** → **Talkback** → **SETTINGS** → **Speak Caller ID**.
- **Ringtones:** Assign a unique ringtone to a contact—tap  **People**, tap the contact, then tap Menu  → **Set ringtone**.

Volume & vibrate

Find it: Tap Apps  →  **Settings** → **Sound** → **Volumes** or **Vibrate when ringing**

- **Volumes** opens sliders that let you set different volumes for your music or videos, ringtone, text or email notifications, and alarms.
- **Vibrate when ringing** determines whether your smartphone vibrates for incoming calls (even if the ringer is silent).

Zoom

Get a closer look.

- **Pinch to zoom:** Pinch to zoom on maps, web pages, and photos—To zoom in, touch the screen with two fingers and then drag them apart. To zoom out, drag your fingers together.
Tip: To zoom in, you can also double-tap.
- **Screen magnification:** Triple tap the screen for full screen magnification, or triple tap and hold to temporarily

magnify—tap Apps  →  **Settings** → **Accessibility** → **Magnification gestures**.

- **Big text:** Show bigger text throughout your smartphone—tap Apps  →  **Settings** → **Accessibility** → **Large text**.
- **Browser:** Choose text scaling and other accessibility settings for your browser—tap Apps  →  **Chrome** → Menu  → **Settings** → **Accessibility**.

Tip: Use **Force enable zoom** to allow zooming on all webpages.

Display brightness

Your smartphone automatically adjusts the screen brightness when you're in bright or dark places. But you can set your own brightness level instead:

Find it: Tap Apps  →  **Settings** → **Display** → **Brightness**

Uncheck **Automatic brightness** to set your own level.

Note: Setting brightness to a high level decreases your smartphone's battery life. To maximize battery life, select **Automatic brightness**.

Touchscreen & keys

To hear or feel when you touch the screen, tap Apps  →  **Settings** → **Sound**.

- **Touchscreen:** To hear screen touches (click), select **Touch sounds**.

- **Keys:** To feel screen keyboard touches (vibrate), select **Vibrate on touch**.
- **Screen lock:** To hear when you lock or unlock the screen (click), select **Screen lock sound**.

Messages

To make text entry even easier, use features like auto-complete, auto-correct, and auto-punctuate—tap Apps  →  **Settings** → **Language & input**, then tap  next to a keyboard type. Of course if you don't want to type at all, then use your voice—tap  on the touchscreen keyboard.

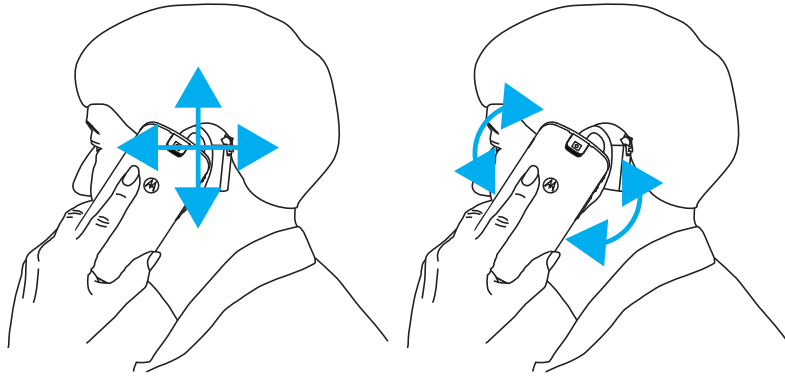
Hearing aids

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

Note: Ratings are not a guarantee of compatibility (visit www.motorola.com/hacphones). You may also want to consult your hearing health professional, who should be able to help you get the best results.

- **Settings:** Tap  **Phone** → Menu  → **Settings** → **HAC mode settings**.
- **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 smartphone to your ear as normal, and then rotate/move it to get the best position for speaking and listening.



TTY

You can use your smartphone in TTY mode with standard teletype machines. Tap  **Phone** → Menu  → **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 smartphone's speaker.
- **TTY VCO:** Voice-Carry-Over—speak into your smartphone and read text replies on your TTY device.

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

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, many with useful accessibility features.

Find it: Tap Apps  →  **Play Store**

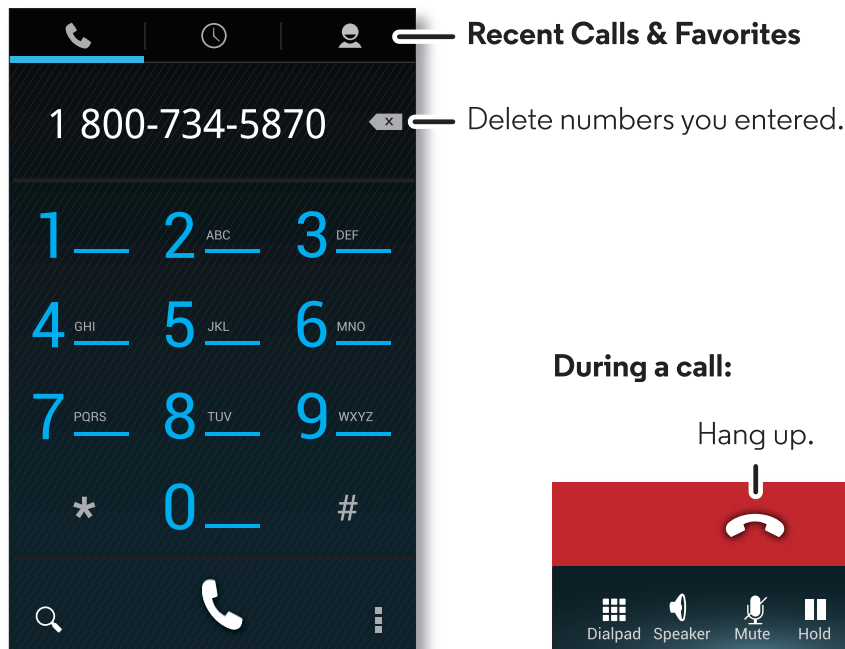
Calls

Quick start: Calls

Dial numbers, recent calls, or contacts, all from one app.

Find it: Tap  **Phone**

To make a call, enter a number and tap  to call it, or swipe left to access your recent calls and favorites.

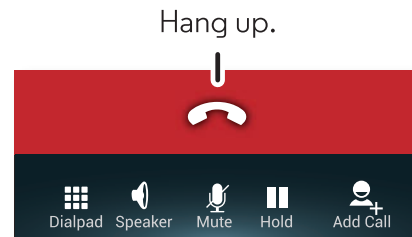


 Find a contact.

 Call.

 See options.

During a call:



Tips & tricks

- **During a call:** Your touchscreen goes dark to avoid accidental touches. To wake it up, move it away from your face or press the Power key.
- **Multi-task:** While you're on a call, tap Home  to hide the call screen and look up a phone number, address, or open other apps. To reopen the call screen, drag the status bar down and tap **Current call**.
- **People:** To search your contacts, tap .
- **Favorite contact:** Have someone you call all the time? Tap Apps , tap **WIDGETS** at the top, then touch and hold the **Direct dial** widget. Drag it to your home screen, then select the contact. Tap the widget to dial the person.
- **Voicemail:**  appears in the status bar when you have new voicemail. To hear it, tap  **Phone**, then touch and hold **1**.

Make, answer & end calls

When you make or answer a call, you have options:

- **Make a call:** Tap  **Phone**, enter a number, then tap . To enter the international dialing code (+), touch and hold **0**. To add a pause or wait after numbers, tap Menu .
- **Answer a call:** Touch  and drag to . With call waiting on, touch  and drag to  to answer the new call, then tap **Hold current call + Answer** or **End current call + Answer**.

- **Ignore a call:** Touch  and drag to  to send the call to your voicemail. You can also press the Power key to ignore the call, or press a volume key to silence the ringer.
- **End a call:** Tap .
- **During a call:** Tap  **Mute** at the bottom of the call screen to mute the call. To hide the call screen, tap Home . To reopen it, drag the status bar down and tap **Current call**.

Note: When you hold your smartphone to your ear, the touchscreen goes dark to avoid accidental touches. When you move your smartphone away from your ear, the screen lights up again.

During a call, your touchscreen might stay dark if the sensor just above it is covered. Don't use covers or screen protectors (even clear ones) that cover this sensor.

Recent calls

View your calls (with newest first), to call, text, or store them:

Find it: Tap  **Phone** → 

- To call a number, tap  on the right.
- To send a text message, store the number, or other options, tap an entry.
- To search the list, tap  at the bottom.
- To clear the list, tap Menu  → **Clear call log**.

Favorites

Set your most-used contacts as favorites, so you can get to them faster.

- To set a favorite, tap Apps  →  **People**, select a contact and tap .
- To see your favorites, tap Apps  →  **People** → .

3-way calls

During a call, you can start another call, switch between them, or join them in a 3-way call:

- To answer a second call, touch  and drag to . To ignore it, touch  and drag to .

The first call goes on hold if you answer the second call. To switch between calls, tap .

- To dial a second call, tap  **Add call**, enter a number or select a number from recent calls or contacts, then tap .

The first call goes on hold when you tap . To join the calls after the second call answers, tap .

Your phone number

Find it: Tap Apps  →  **Settings** → **About phone** → **Status** → **My phone number**.

Emergency calls

Note: Verizon Wireless programs one or more emergency phone numbers that you can call under any circumstances, even when your smartphone 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 Tap  **Phone** (if your smartphone is locked, tap **Emergency Call** or tap Menu  → **Emergency call**).
- 2 Enter the emergency number.
- 3 Tap  to call the emergency number.

Note: Your smartphone 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

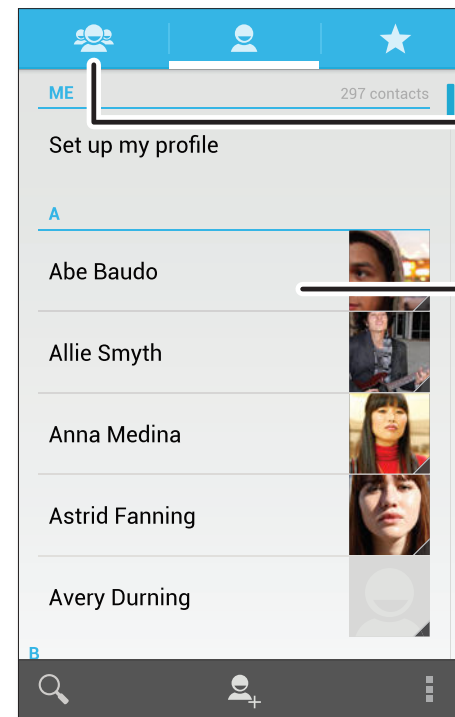
In very limited circumstances, such as where your smartphone has been exposed to extreme heat, you may see “Cool Down” messages. To avoid possible damage to your battery and smartphone, you should follow these instructions until the smartphone is within its recommended temperature range. When your smartphone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

Contacts

Quick start: Contacts

Combine information from your Google™ contacts and social networks for quick access to everyone you know.

Find it: Tap Apps  →  **People**



Create & view groups of contacts.

Tap to view contact information, call, send a text message, & more.

-  Search your contacts.
-  Add a contact.
-  Sort contacts, change settings, accounts, & more.

- **Create:** Tap  at the bottom of the screen.
- **Edit or delete:** Tap a contact, then tap Menu  → **Edit** or **Delete**.
- **Call, text, or email:** Tap a contact, then tap an option.

Tips & tricks

- **Groups:** To show or create a group of contacts, tap , then tap the group or  at the bottom of the screen.
- **Search contacts:** From the home screen, just tap the Google search box and enter a contact's name. In the **People** list, tap .
- **Send contacts:** Tap a contact, then tap Menu  → **Share** to send the contact's details in a message or over a Bluetooth® connection. Or, turn on Android Beam on both smartphones, touch smartphones back to back, and touch **Tap to Beam**. (To turn on Android Beam, tap Apps  →  **Settings** → **More** → **Android Beam**.)
- **Shortcuts:** Tap Apps , tap **WIDGETS** at the top, then touch and hold the **Contact** widget. Drag it to your home screen, then select the contact you want to make a shortcut for.
- **Synchronize:** On your computer, upload contacts to your Google™ account at www.google.com/contacts. On your smartphone, tap Apps  →  **Settings**. Go to the **ACCOUNTS** section, choose your Google account, then tap your account name to sync it if it has not recently been

updated. You can also see these contacts at www.gmail.com.

For help with transferring contacts, see “**Old phone to new phone**” on page 7 or go to www.motorola.com/TransferContacts.

Create contacts

Find it: Tap Apps  →  **People** → .

Tap a text box to type the name and details. When you're finished, tap ✓ **DONE** at the top.

Note: To import contacts or change where they're stored, see “**Get contacts**” on page 30.

Call, text, or email contacts

Find it: Tap Apps  →  **People**

Tap a contact to see more options. Depending on the information you have for that person, you can call, text, or send email. You can also use voice recognition (see “**Speak**” on page 19).

Favorites

Set your most-used contacts as favorites, so you can get to them faster.

- To set a favorite, tap Apps  →  **People**, select a contact and tap ★.
- To see your favorites, tap Apps  →  **People** → ☆.

Edit, delete, or hide contacts

Find it: Tap Apps  →  **People**

- To edit a contact, tap it, then tap Menu  → **Edit**. Tap a field to edit it. Tap  to choose the contact's picture.
- To set a personal ringtone for the contact, tap it, then tap Menu  → **Set ringtone**.
- To delete the contact, tap it, then tap Menu  → **Delete**.

Contacts from social networks will become hidden if you select **Delete**. To view these contacts, or delete them permanently, use the social network's app or website.

- To hide the contacts from an account or group in your **People** list, tap Menu  → **Contacts to display**. Tap an account type to show it. Tap **Customize** to uncheck accounts you always want to hide.

Get contacts

Get all your contacts in one place.

- To add your social networking contacts, tap Apps  →  **Settings**, go to the **ACCOUNTS** section, and tap  **Add account**.
- To add your email contacts, see “**Email**” on page 32.

Tip: If you add a **Corporate Sync** account, you can send messages to your coworkers, even if you don't have them stored in your contacts.

- To import contacts from a vCard file you've copied to your smartphone: Tap Apps  →  **People** → Menu  → **Import/export** → **Import from storage**. Tap **OK** to confirm.
- To import contacts from your computer, upload the contacts to your Google™ account at <http://contacts.google.com>. On your smartphone, tap Apps  →  **People** → Menu  → **Accounts** → **Auto-sync app data**. You can also see these contacts at <http://mail.google.com>.

For help with transferring contacts, see “**Old phone to new phone**” on page 7 or go to www.motorola.com/TransferContacts.

Share contacts

Send a contact with a Bluetooth® connection, text message, email, or use NFC and Android Beam:

Find it: Tap Apps  →  **People**

To send a contact, tap it, then tap Menu  → **Share** and choose how you want to send it.

Or, turn on Android Beam on both smartphones, touch smartphones back to back, and touch **Tap to Beam**. (To turn on Android Beam, tap Apps  →  **Settings** → **More** → **Android Beam**.)

Note: You can't send your social network contacts.

Groups

Create groups of contacts (like “friends,” “family,” or “coworkers”), then find contacts faster by showing one group.

Find it: Tap Apps  →  **People** → 

To show or create a group of contacts, tap the group or  at the bottom of the screen.

My details

Find it: Tap Apps  →  **People**

To store your user profile, tap **Set up my profile** under **ME** at the top of the contact names list.

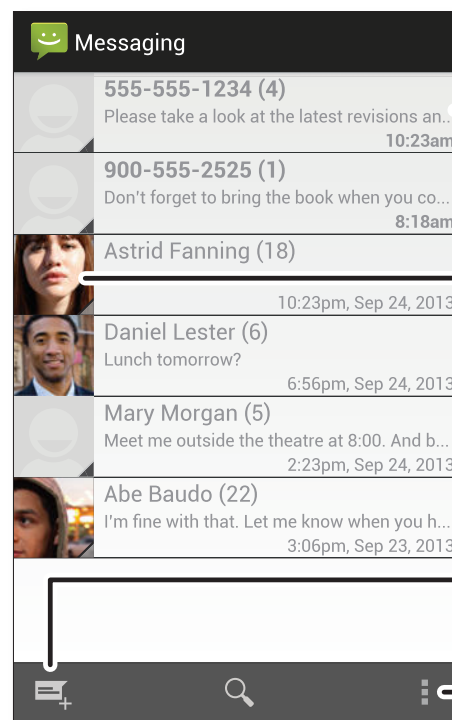
Messages

Quick start: Messages

Stay in touch with messages and pictures.

Find it: Tap  **Messaging**

- **Create:** Tap  at the bottom of the screen.
- **Attach:** When you're typing a message, tap  to attach a picture, video, or other file.



Tap a conversation to open it.
Tap & hold to delete the message & more.

Tap a sender's picture to add them to your contacts.

Create a message.

Change notifications & see other options.

Tips & tricks

- **Forward a message:** In a conversation, touch and hold a message for more options, such as forwarding it.
- **Save attachments:** Touch and hold a picture to save it in your gallery.
- **Voice entry:** Just tap a text box, then tap  on the keyboard.
- **Text your best friend:** Use a widget to text your favorite contact quickly: Tap Apps , tap **WIDGETS** at the top, touch and hold **Direct message** to drag it to your home screen, then choose a contact.

Read, reply, forward & delete text messages

Find it: Tap  **Messaging**

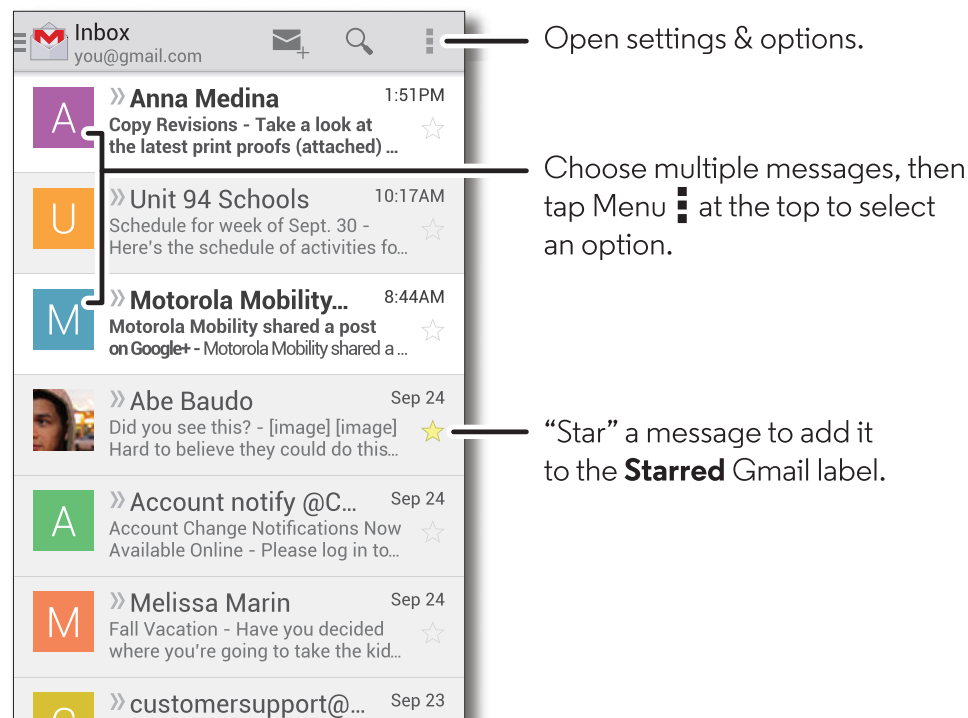
- **Open:** Tap a conversation to open it.
- **Attachments:** When you open a message with an attachment, tap the attachment to open it, or touch and hold it to save it.
- **Reply:** Open a conversation, then enter your response in the text box at the bottom.
- **Forward:** Open a conversation, touch and hold the message you want, then tap **Forward**.
- **Delete:** Touch and hold a conversation, then tap  at the bottom. Or, open the conversation, touch and hold one message, then tap **Delete**.

- **Settings:** Tap Menu  → **Settings** to change your notifications and other options.

Email

Check email accounts, and send responses, photos, websites, and more.

Find it: Tap Apps  →  **Gmail** or  **Email**



- **Add Gmail™ accounts:** The first time you turned on your smartphone, you probably set up or logged in to your Google™ account—that sets up the  **Gmail** app for one account. To add more Google accounts, tap Apps  →  **Settings**, go to the **ACCOUNTS** section, then tap **+ Add account** → **Google**.
- **Add email accounts:** To add personal  **Email** accounts, follow the prompts when you first open the app, or tap Apps  →  **Settings**, go to the **ACCOUNTS** section, then tap **+ Add account** → **Email**. For Microsoft® Exchange server work email accounts, tap **+ Add account** → **Corporate**, and enter details from your IT administrator.
- **Change account settings:** To change Gmail account settings, tap Apps  →  **Settings** → **Google**.
To change email account settings, tap Apps  →  **Settings** → **Email** → **Account settings**.
- **Delete accounts:** To delete a Gmail account, tap Apps  →  **Settings** → **Google**, tap the account name, then tap Menu  → **Remove account**.
To delete an email account, tap Apps  →  **Settings** → **Email**, tap the account name, then tap Menu  → **Remove account**.

Quick responses

You can create and save frequently-used text phrases, and insert them in email messages you write.

- **Create a quick response:** Tap Apps  →  **Email** → **Settings** → account name → **Quick responses** → **Create new**.
- **Insert a quick response:** When composing an email message, tap Menu  → **Insert quick response** → text.
Note: Quick responses are saved with the current email account. If you have multiple accounts, you'll need to create quick responses for each account.

Chat using Google Hangouts™

Sign in with your Google account to stay in touch with friends and family.

Find it: Tap Apps  →  **Hangouts**

- **Start a new hangout:** Tap **+** (or swipe left), tap a name in your list of friends, then tap **Message** or **Video Call**.
- **Change settings:** Tap Menu  to see your old hangouts, change your profile pic, other settings, and more.
- **Chat from a computer:** You can chat from a computer, too. Find out more at www.google.com/hangouts.

Wireless Emergency Alerts

Wireless Emergency Alerts, also known as CMAS or PLAN, is a U.S. national emergency alert system. Emergency alerts can pop up to tell you about a national or local crisis. After you close an alert, you can reopen it by tapping Apps  →  **Emergency Alerts**.



Tip: Emergency alerts have a special sound and vibration that is two seconds long, followed by one second, then another one second.

To choose which types of alerts you receive, tap Apps  →  **Emergency Alerts** → Menu  → **Settings**. The U.S. and local governments send these alerts through your service provider. So you will always receive alerts for the area where you are, and you won't receive alerts if you're outside of the U.S.

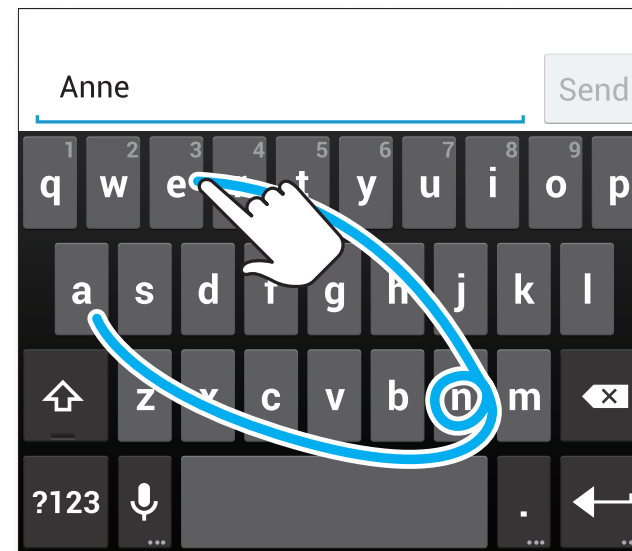
For more, visit www.ctia.org/consumer_info/safety/.

Type

Quick start: Type

When you tap a text box, like in a message or search, you have keyboard options.

- **Type or gesture:** Enter letters by tapping them one at a time. Or, enter a word by tracing a path through the letters.
- **Close the keyboard:** Tap Back .



See a different keyboard? It varies by app. This one is for texting.

Tips & tricks

- **Keyboard changes:** Your touchscreen keyboard changes depending on whether you're entering a text message, email, or other text.
- **Move the cursor:** Tap a spot in the text to place the cursor, then drag the arrow under the cursor to move it.
- **Your dictionary:** To add a word you enter often, enter it, tap the word in the word list below the text box, then tap there again to add it to your dictionary.
- **Symbols:** Touch and hold a key to enter the small number or symbol at the top of it.
To enter several numbers or symbols, tap .
- **Capital letters:** Tap  or drag it to the letter you want to capitalize.
- **Special characters:** Touch and hold a letter or symbol to choose from other special characters.
- **Voice entry:** Tap  on the touchscreen keyboard, then say what you want to type. You can speak as long as you like, pause whenever you want, and dictate punctuation to create correct sentences.

Text entry settings & dictionary

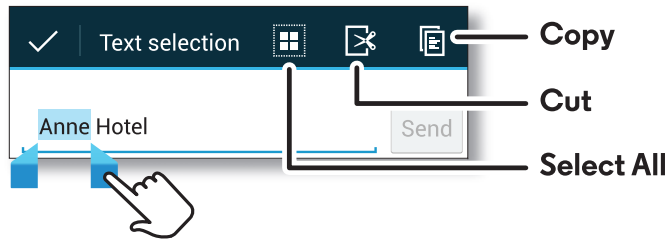
Choose your keyboard style and edit the dictionary of words your smartphone suggests:

Find it: Tap Apps  →  **Settings** → **Language & input**

- To choose your display keyboard, tap **Default**. To allow voice entry from the keyboard, tap **Google voice typing**.
- To change the preferences for your keyboard, tap . You can change the language, automatic punctuation, and more.
- To add or edit the words that your smartphone suggests and recognizes, tap **Personal dictionary**.

Cut, copy & paste

Cut, copy, and past names, phone numbers, addresses, quotes, or anything else in a text box.



- 1 To highlight a word, double-tap it.

To highlight more words, drag the selector arrow at the edge of the highlight.

- 2 Tap the icons to cut or copy.

Tip: Touch and hold icons to show labels.

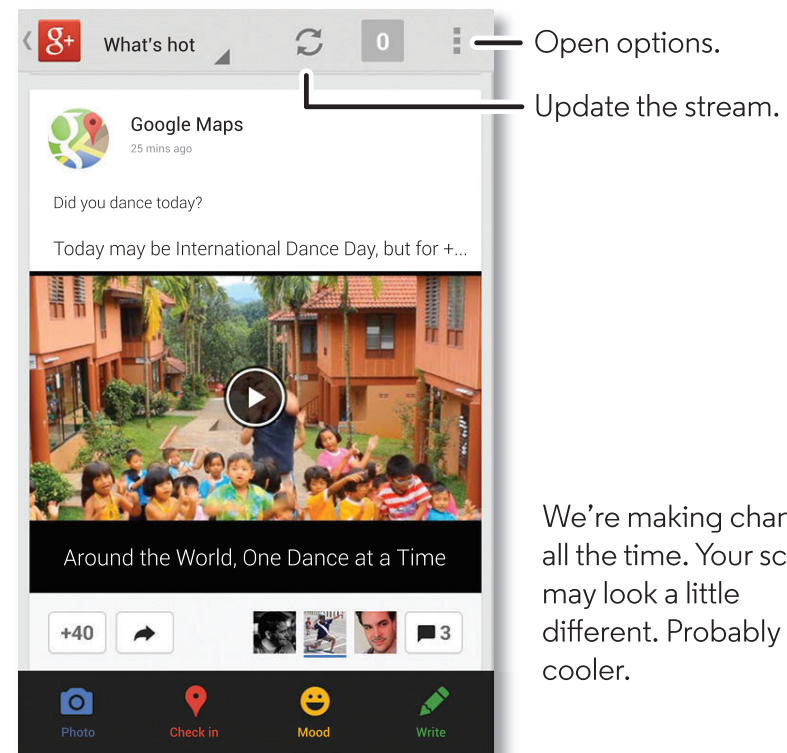
- 3 Open the text box where you want to paste the text (even if it's in a different app).
- 4 Tap in the text box, then touch and hold to show the **PASTE** option. Tap **PASTE** to paste the text.

Socialize

Quick start: Socialize

Google+™ makes connecting on the web more like connecting in the real world. Share your thoughts, links, and photos with the right circles.

Find it: Tap Apps  →  **Google+**



We're making changes all the time. Your screen may look a little different. Probably cooler.

Tips & tricks

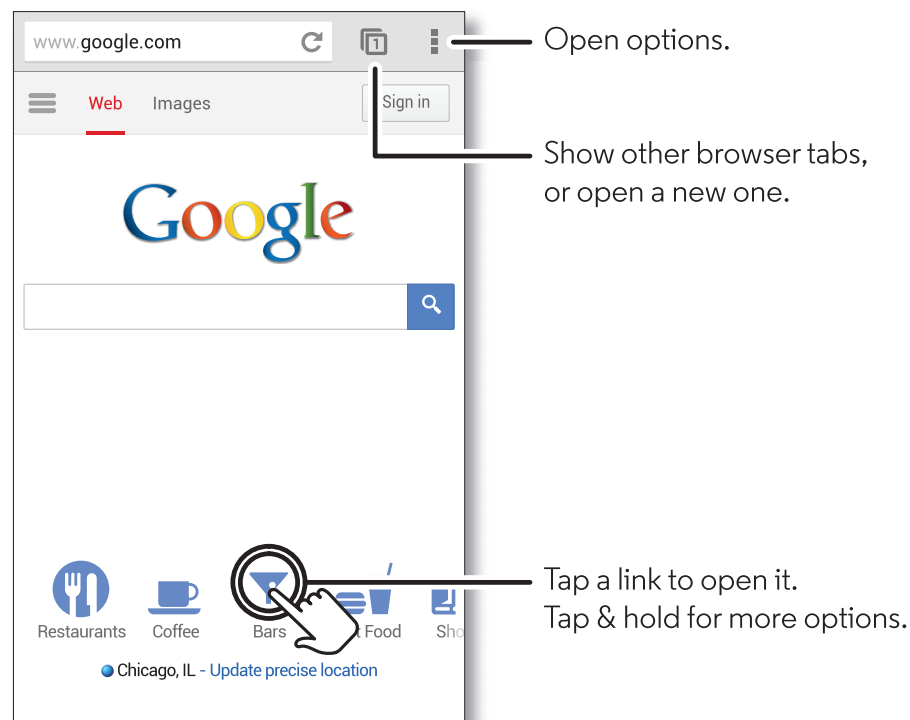
- **Upload photos:** Tap Apps  →  **Gallery** and tap a photo or video. Choose  → **Google+** and select your account.
- **Add a widget:** Use a widget to quickly read your Google+ posts: Tap Apps , tap **WIDGETS** at the top, then touch and hold **Google+ Posts** to drag it to your home screen.
- **Help:** For more about Google+, visit www.google.com/+.
- **Other social networks:** You can also use Facebook®, Twitter, and more. Open Google Play™ Store to find the latest official apps and widgets.
- **Remove accounts:** To delete an account (along with its contacts and messages on your smartphone), tap Apps  →  **Settings**, go to the **ACCOUNTS** section, select the account, then tap Menu  → **Remove account**.

Browse

Quick start: Chrome™

Find it: Tap Apps  →  **Chrome**

- **Go to a webpage:** Tap the address bar at the top of a page and enter an address.
- **Add or open bookmarks:** Open the address bar (drag down), then tap Menu  → ☆ or **Bookmarks**.



Tips & tricks

- **Home screen shortcut:** In the home screen, tap the Google™ search box at the top and enter a website address.
Note: If you can't connect, contact your service provider.
- **Mobile sites:** Some websites automatically show you a “mobile” version of their page. If you want to show the standard computer versions of all websites, tap Menu  → **Request desktop site**.
- **Reload:** If a page doesn't load correctly, try tapping .
- **Clear history:** In the browser, tap Menu  → **Settings** → **Privacy** → **CLEAR BROWSING DATA** at the bottom of the page. Then choose history, cache, cookies, and other options.
- **Help:** For more about Google Chrome, visit www.supportgoogle.com/chrome.

Web connection

To access the web, your smartphone uses your Wi-Fi network (or your mobile phone network if no Wi-Fi network is connected).

Note: Your service provider may charge to surf the web or download data over your mobile phone network.

To connect to a Wi-Fi network, see “**Wi-Fi Networks**” on page 50.

Bookmarks

To bookmark a page in your browser, tap Menu  → ☆.

To go to a bookmark, tap Menu  → **Bookmarks**, then tap the bookmark.

Downloads

Warning: Apps downloaded from the web can be from unknown sources. To protect your smartphone and personal data, only download apps from sources you trust, like Google Play™.

To download a file, picture, or webpage, tap Apps  →  **Chrome** and go to the website.

- **Files:** Tap the download link. To show the file or app, tap Apps  →  **Downloads**.
- **Pictures:** Touch and hold it to choose **Save image**. To see the picture, tap Apps  →  **Gallery** → **Download**.

To download apps or smartphone updates, see “**Download apps**” on page 13 or “**Update your smartphone**” on page 15.

Browser options

To change your browser security settings, text size, and other options, tap Menu  → **Settings**.

Safe surfing & searching

Keep track of what your browser and searches show:

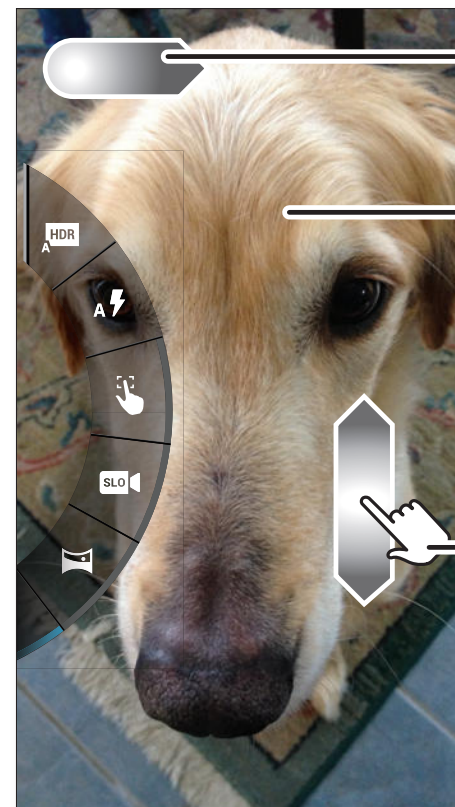
- **Browse incognito:** To open a tab that won't appear in your browser or search history, tap Apps  →  **Chrome** → Menu  → **New Incognito tab**.
- **Browser history, cache, and passwords:** To clear your browser history and other saved information, tap Apps  →  **Chrome** → Menu  → **Settings** → **Privacy** → **CLEAR BROWSING DATA**.
- **Automatic form completion:** When you enter your name in an online form, your browser can automatically enter your address information. If you don't want that, tap Apps  →  **Chrome** → Menu  → **Settings** → **Autofill forms**, then tap the switch at the top to turn it **OFF**.
- **Browser pop-ups:** To stop pop-up windows from opening, tap Apps  →  **Chrome** → Menu  → **Settings** → **Content settings** → **Block pop-ups**.
- **Voice search:** Tap the search box at the top of the browser screen, then tap **X** → .

Photos & videos

Quick start: Photos & Videos

Take super clear photos with a twist of your wrist and a tap on the screen with Quick Capture.

- **Launch it:** Even when your smartphone is asleep, twist your wrist twice, quickly, to launch the camera anytime.
- **Take a photo:** Tap anywhere on the screen to take the photo.



Swipe right to open effects & settings. Rotate the dial to see more options.

Tap anywhere to take the photo.
Touch & hold to take rapid shots.

Drag up or down with
one finger to zoom.

Who's a good boy?
Max is. Yes, he is.

- **Share it:** Swipe the screen left to view a photo or video from your gallery, then touch Share .

Tip: Tap  **Camera**, swipe the screen right and tap  to turn Quick Capture on or off.

Tips & tricks

- **Take a photo:** Open the camera, then tap anywhere on the screen to take the photo.
- **Take a selfie:** Tap  in the camera screen to switch to the front camera, to take a self portrait.
- **Record a video:** Tap  in the camera screen to temporarily switch to the video camera and start recording. Then tap  to start or stop recording.
- **Capture a still shot during a video:** Tap anywhere on the screen while recording to save a photo.
- **View, share, or delete:** To open your gallery, swipe the screen left. Pick a photo or video. Choose  to share,  to delete, or Menu  for more options, like **Crop** or **Edit**.
- **Change settings:** To open camera options, swipe the screen right.
- **Zoom:** Drag the screen up or down using one finger.
- **Multi-shot:** When you're ready, touch and hold the screen to take a burst of photos.

- **Panorama:** To take a panoramic shot, swipe the screen right to open settings, then tap . Use the on-screen guide to slowly pan your smartphone.
- **Clarify:** For the clearest photos and videos, clean the camera lens with a soft, dry cloth.

Take photos

Find it: Tap  **Camera**

Touch anywhere on the camera screen to take the photo.

Record videos

Find it: Tap  **Camera**, then tap 

The camera temporarily turns into a video camera and immediately starts recording. Tap  to stop recording.

Tip: To send a video in a text message, swipe the camera screen left to open your gallery, tap the video, then choose  to share.

The perfect shot

Point, tap, and you're done. But when you want something a little different, swipe the screen right to play with these camera options.

Options	
 HDR	Turn on HDR (high dynamic range) effect for better pictures in challenging lighting situations.
 Flash	Set On , Off , or Auto .
 Tap to focus	Set the camera to focus on the object you touch in the screen.
 Slow motion	Take a slow motion video.
 Panorama	Take a wide-angle shot. Use the on-screen guide to slowly pan while you are taking the photo.
 Geo-Tag	Tag your photos with a location.
 Shutter tone	Turn the shutter click on or off.
 QuickDraw	Catch it fast. When your smartphone is asleep, twist your wrist twice, quickly, to launch the camera any time.

Edit, share, or delete photos & videos

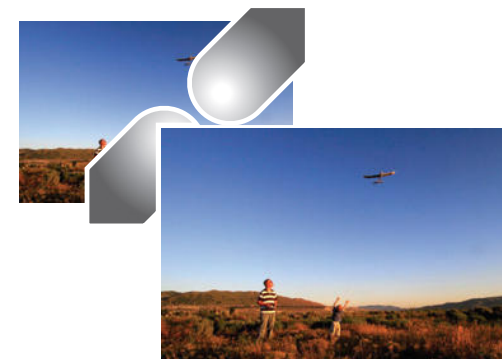
Find it: Tap Apps  →  **Gallery**

- **Play, share, or delete:** Tap a thumbnail to open it, then tap  to share or Menu  for more.

Tip: To select multiple files, open a folder, touch and hold a photo, then tap others.

- **Zoom:** Open a photo in your gallery, then drag two fingers apart or together on the screen.

Tip: Turn your smartphone sideways for a widescreen view.



- **Wallpaper or contact photo:** Open a picture, then tap Menu  → **Set picture as**.
- **Edit:** Open a picture, then tap Menu  → **Edit**.
- **Slideshow:** Open a folder, then tap Menu  → **Slideshow**. To stop the slideshow, tap the screen.

Tip: To show the slideshow on a television or other device, see “**Connect & transfer**” on page 48.

Capture your screen

Share a screen capture of your favorite playlist, your new high score, or a friend's contact information. If you can show it on your smartphone, you can share it with your friends.

To capture your smartphone's screen, press and hold both the Power and the Volume Down keys at the same time.

To show the screen capture, tap Apps  →  **Gallery** → **Screenshots**.

Play Movies & TV

Find and rent movies and TV shows to watch on your smartphone, tablet, or computer:

Find it: Tap Apps  →  **Play Movies & TV**.

To shop, rent, or watch on a computer, go to www.google.com/play and choose “Movies & TV”.

YouTube™

Watch videos from YouTube users everywhere—or log in to your account to share your own.

Find it: Tap Apps  →  **YouTube**

Play Music

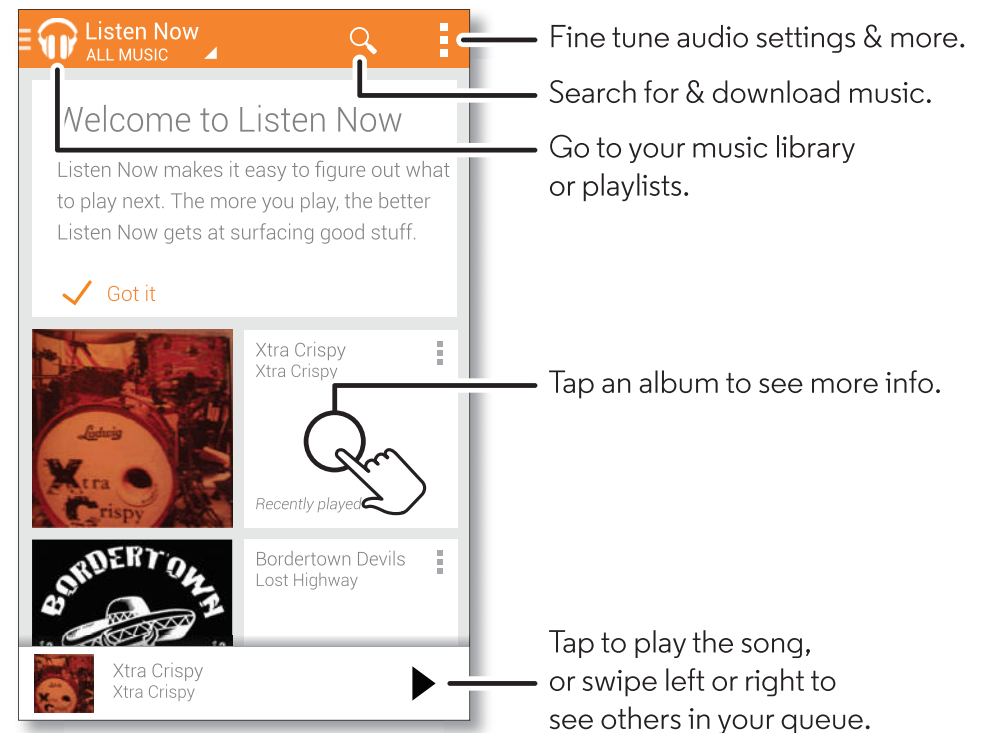
Quick start: Music

Music everywhere—stream it, buy it, save it, play it. Listen and create playlists anytime.

Find it: Tap Apps  →  **Play Music**

To get your music on Google Play™ using a computer, visit www.google.com/music.

Touch **Listen Now** to see recommendations and more.



Tips & tricks

- **Volume:** Press the volume keys.
- **Hide the music player:** To use another app while your music plays, tap Home . To return to the music player, drag the status bar down and tap the song title.
- **Home screen:** Control music playback from the home screen by adding the **Google Play Music** widget.
- **Shop:** Tap **Shop** to shop for more music.
- **Playlists:** Tap Menu  next to a song in your library to add it to a playlist or show other options. To edit, rename, or delete a playlist, touch and hold its name in the music library.
- **During a flight:** Press and hold the Power key → **Airplane mode** to turn off all your network and wireless connections and listen to music during a flight.
- **File types:** Your smartphone can play MP3, M4A, AAC, AAC+, MIDI, and WAV files.

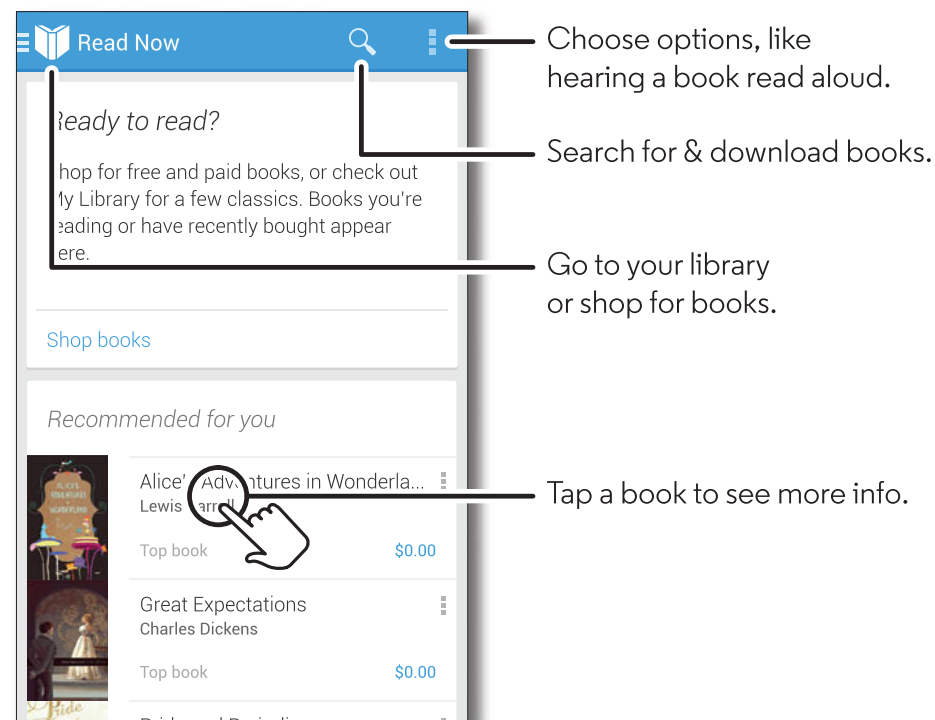
Note: Copyright—do you have the right? Always follow the rules. See **“Content Copyright”** in your legal and safety information.

Play Books

Quick start: Books

Read your favorite books, magazines, and newspapers when and where you want.

Find it: Tap Apps  →  **Play Books**



Tips & tricks

- **Turn pages:** While reading the book, turn the pages by swiping them.
- **Recent page:** When you open a book, it shows the last page you were reading.
- **Table of contents:** Tap a book page, then tap Menu  to open the table of contents or change the view.
- **Close:** To return to your book list, tap the book title at the top.
- **Shop:** To shop for books, tap Apps  →  **Play Books** → **Shop**.

Browse by category, or tap  and search for a title or author. Tap a book to show details. Then, tap the book's price to buy it (or tap **OPEN** to open a free book). After you confirm a purchase, the book appears in your library.

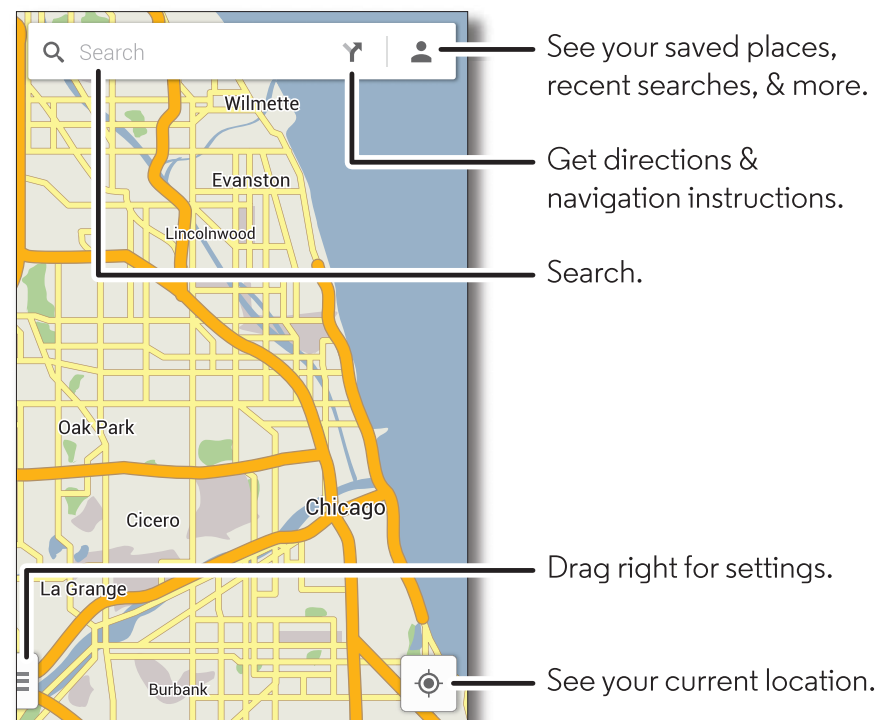
- **Magazines:** Tap Apps  →  **Play Magazines**.

Locate & navigate

Quick start: Locate & navigate

Must. Have. Coffee. Find a nearby cafe, get directions or step-by-step navigation using the Google Maps™ you know and trust.

Find it: Tap Apps  →  **Maps** →  and enter what you want to find, then tap it to see more info, get directions, or step-by-step navigation



Tips & tricks

- **Find an address:** Tap  and enter the address. The map moves to show the address. Tap the info sheet at the bottom to see more details.
- **Get directions:** Tap , then enter a place or address.
- **Save an address:** Tap the address info sheet at the bottom, then tap  by its name. To see your saved places, tap  in the map screen. To remove a saved address, tap the address info sheet and tap  by its name.
- **Zoom:** To zoom in or out, drag two fingers together or apart on the screen.
- **Turn and tilt:** Rotate two fingers on the map to turn it, or drag down/up to tilt.
- **Find nearby businesses or attractions:** Tap , then tap an Explore option (eat, drink, shop, etc.) or Services option.
- **Identify address:** Touch and hold a spot on the map to show the nearest address.
- **Get map help:** Drag the side menu tab  right to open, then tap **Help**.

Google+ Local™

Find the restaurants, cafes, bars, and attractions that are close to you:

Find it: Tap Apps  →  **Local**

Tip: In **Maps**, just tap  and select an Explore or Services option.

Google Maps™ with Navigation beta

Get spoken turn-by-turn directions to the destination you specify.

Find it: Tap Apps  →  **Navigation**

Tip: In Maps, just tap .

Type or select your destination, then tap **Start**. Navigation shows a map and starts telling you directions.

- **See a list of directions:** Tap Menu  → **Step-by-step list**.
- **Mute the spoken directions:** Tap Menu  → **Mute voice guidance**.
- **Stop navigation directions:** Tap **X** at the bottom. To resume, tap **Start**.
- **Cancel the navigation program:** Stop the navigation directions (tap **X** at the bottom), then tap **X** at the top right.

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

For more, go to www.google.com/mobile/navigation.

Work

Corporate sync

If you use Microsoft® Office Outlook on your work computer, your smartphone can synchronize email, events, and contacts with your Microsoft Exchange server.

- To add your **Corporate** account, see “**Email**” on page 32.
- To choose what to sync from your **Corporate** account, tap Apps  →  **Settings** → **Corporate**, tap your account, then check options like **Calendar**, **Contacts**, or **Email**.

Quickoffice™

Use Quickoffice to view and edit files.

Find it: Tap Apps  →  **Quickoffice**

Tap a file or folder to open it, or touch and hold a file for options. You can edit most documents, spreadsheets, and presentations:

- Place your cursor by tapping the text.
- Select text by double-tapping it.
- To open a keyboard, format text, save the file, or choose other options, tap Menu .

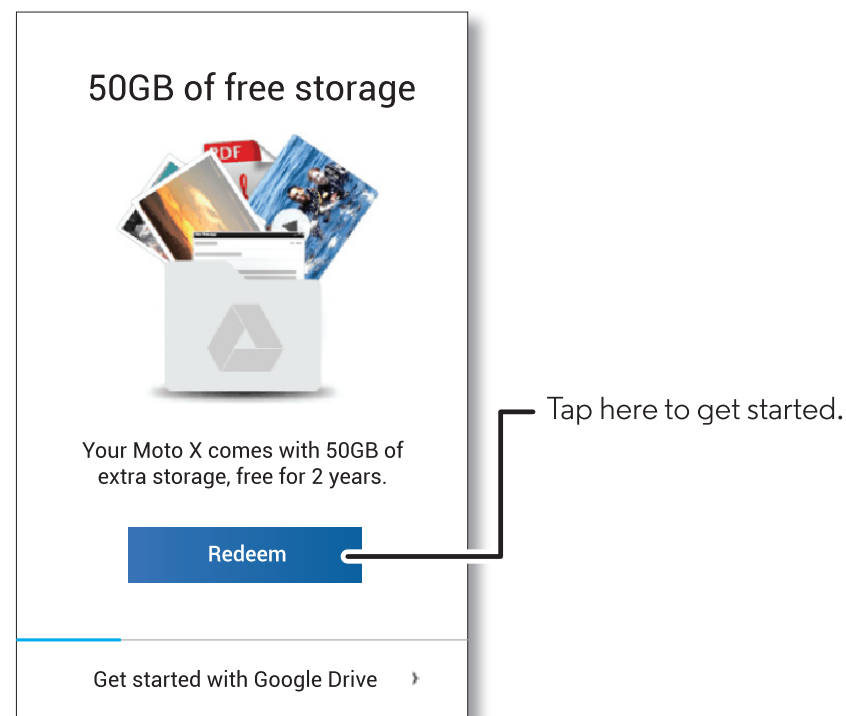
Office network

To connect your office network with a Virtual Private Network connection, see “**Virtual Private Networks (VPN)**” on page 55.

Google Drive™

All your photos, videos, documents, and more safely in one place—private unless you choose to share. Available on Google Drive from all your devices.

And with Moto X, you have 50 GB of extra storage for the next two of years on top of the 15 GB you already get from Google. Tap Apps  →  **Drive** to redeem this special offer.



Clock

Find it: Tap Apps  →  **Clock** →  (in the lower left)

- **Alarm:** Touch an alarm to edit it, or touch  to add a new alarm.

When an alarm sounds, touch  and drag to  to turn it off, or touch  and drag to  to snooze for ten minutes.

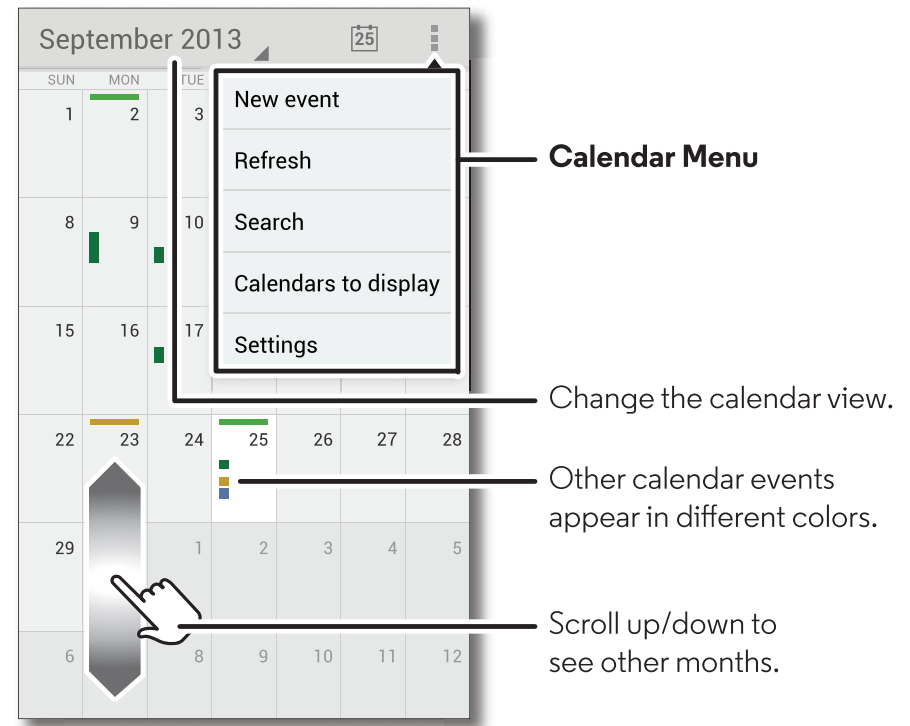
- **Settings:** To change your alarm sound, snooze delay, or other settings, touch Menu  → **Settings**.
- **Timer:** For a timer, touch .
- **Stopwatch:** For a stopwatch, touch .

Tip: To find out what an icon means, touch and hold it. To set your current date, time, time zone, and formats, touch Apps  →  **Settings** → **Date & time**.

Calendar

See events stored on your smartphone and in your online calendars, all together in one place.

Find it: Tap Apps  →  **Calendar**



- **Change the view:** Tap the date at the top left to choose **Day**, **Week**, **Month**, or **Agenda**.
- **Go to today's date:** Tap  at the top of the screen.
- **Add events:** From any view, tap Menu  → **New event**, enter event details, then tap  **DONE**.

- **Show, edit, or delete events:** Tap an event to open it, then tap edit  or delete .
- **Show, hide, or add calendars:** Tap Menu  → **Calendars to display** to show or hide calendars from your Google™ account. You can use a computer to add or remove calendars on your Google account at www.google.com/calendar.

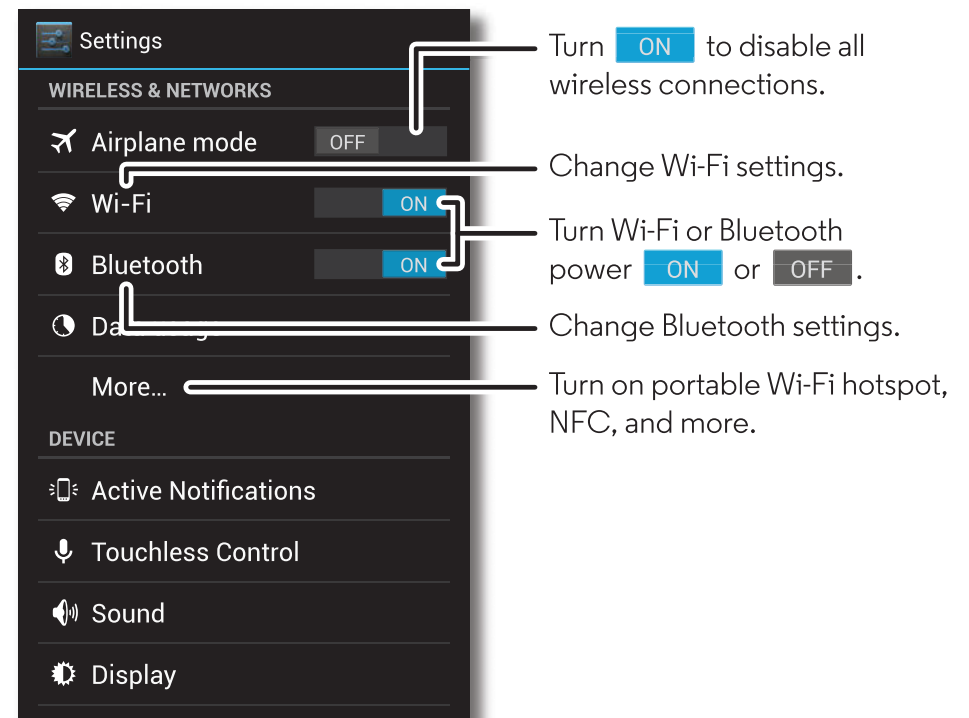
Tip: Add a **Calendar** widget to your home screen. Tap Apps  → **WIDGETS**, then touch and hold the **Calendar** widget to add it to your home screen.

Connect & transfer

Quick start: Connect & transfer

Connect accessories, computers, networks, and more.

Find it: Tap Apps  →  **Settings**



Tips & tricks

- **Bluetooth® devices:** To connect a Bluetooth headset, keyboard, or other device, tap **Bluetooth**.
- **Wi-Fi networks:** To connect, tap **Wi-Fi**.
- **Wi-Fi hotspot:** To make your smartphone a hotspot, tap **More** → **Tethering & portable hotspot**, then check **Portable Wi-Fi hotspot**. You can change hotspot security.
- **USB cable:** Your smartphone's micro USB port lets you exchange media and other files with a connected computer. To change the type of USB connection, tap Apps  →  **Settings** → **Storage** → Menu  → **USB computer connection**.
- **Automatic connections:** When Bluetooth or Wi-Fi power is , your smartphone automatically reconnects to available devices or networks it has used before.
- **Airplane mode:** Need to shut down wireless connections quickly? Drag the status bar down and tap  →  **Settings** → **Airplane mode**.

Or, touch and hold the Power key → **Airplane mode**.

Bluetooth® wireless

Turn Bluetooth power on/off

Find it: Tap Apps  →  **Settings**, then tap the **Bluetooth** switch to turn it .

Tip: To extend battery life or stop connections, turn the Bluetooth switch  when you're not using it.

Connect devices

The **first time** you connect a Bluetooth device, follow these steps:

- 1 Make sure the device you are pairing with is in discoverable mode (for details, refer to the guide that came with the device).
- 2 Tap Apps  →  **Settings** → **Bluetooth**.
- 3 Make sure the switch at the top is , then tap **SEARCH FOR DEVICES**.
- 4 Tap a found device to connect it (if necessary, tap **Pair** or enter a passkey like **0000**).

Tip: Tap  next to a device to rename it.

When the device connects, the Bluetooth status indicator turns blue .

To automatically **disconnect** or **reconnect** a device anytime, just turn it off or on.

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

Manage devices

To manually reconnect your smartphone with a paired device, tap the device name in the **AVAILABLE DEVICES** list.

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

To remove a paired device, tap  next to the device name in the **PAIRED DEVICES** list, then tap **Unpair**.

To change the name your smartphone shows to other devices, tap Apps  →  **Settings** → **Bluetooth**, turn Bluetooth power on, then tap Menu  → **Rename phone**. Enter a name and tap **Rename**.

Let devices find your smartphone

To let a Bluetooth device discover your smartphone:

- 1 Tap Apps  →  **Settings** → **Bluetooth**.
- 2 Tap your smartphone's name at the top to switch between **Not visible to other Bluetooth devices** and **Visible to all nearby Bluetooth devices** (for two minutes).

Transfer files

- **Photos or videos:** Open the photo or video, then tap  → **Bluetooth**.
- **People:** Tap **People**, tap a person, then tap Menu  → **Share** → **Bluetooth**.

Wi-Fi Networks

Wi-Fi enhanced connectivity

When you use the browser or other internet apps, your smartphone scans for Wi-Fi networks (even when Wi-Fi is turned off) and prompts you to switch to a Wi-Fi network. If you have a usage-based data plan, you can conserve your monthly data allowance by using a Wi-Fi connection.

Turn Wi-Fi power on/off

Find it: Tap Apps  →  **Settings**, then tap the **Wi-Fi** switch to turn it .

Note: To extend battery life, turn the Wi-Fi switch  when you're not using it.

Connect to networks

To find networks in your range:

- 1 Tap Apps  →  **Settings** → **Wi-Fi**.
Tip: To show your smartphone's MAC address and Wi-Fi settings, tap Menu  → **Advanced**.
- 2 Make sure the switch at the top is , then tap **SCAN**.

- 3 Tap a found network to connect it (if necessary, enter **Network SSID**, **Security**, and **Wireless password**, and tap **Connect**).

When your smartphone connects, the Wi-Fi status indicator  appears in the status bar.

Note: If you see a question mark in the Wi-Fi status indicator , drag the status bar down, tap the network, and enter the network's password.

Tip: When Wi-Fi power is on, your smartphone automatically reconnects to available networks it has used before.

Manage networks

To remove a network, tap it in the list, then tap **Forget**.

To manage your networks, tap Apps  →  **Settings** → **Wi-Fi**, turn Wi-Fi power on, then tap Menu  → **Manage Networks**.

Wi-Fi hotspot

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

Note: Keep it secure. To protect your smartphone and hotspot from unauthorized access, it is strongly recommended that you set up hotspot security (WPA2 is the most secure), including password.

Find it: Tap Apps  →  **Settings** → **More** → **Tethering & portable hotspot** and check **Portable Wi-Fi hotspot**

- 1 Your smartphone turns off **Wi-Fi** power and uses the mobile network for internet access. Tap **Set up Wi-Fi Hotspot** to set up security:

- **Network SSID:** Enter a unique name for your hotspot.
- **Security:** Select the type of security you want: **Open** or **WPA2**. For **WPA2**, enter a unique password that others will need to access your Wi-Fi hotspot.

Note: **WPA2** is recommended by IEEE.

- **Hotspot frequency band:** If you notice interference after your hotspot has been active for a while, try different channels.
- **Password:** Create a password with at least eight characters.

- 2 Tap **Save** when the settings are complete.

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

Wi-Fi modes

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

USB cables

Note: Copyright—do you have the right? Always follow the rules. See “**Content Copyright**” on page 65.

To load music, pictures, videos, documents, or other files from your computer, connect your smartphone to your computer with a USB cable. To change the type of USB connection, tap Apps  →  **Settings** → **Storage** → Menu  → **USB computer connection**.

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

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

- For Microsoft® Windows® XP, Windows Vista, and Windows 7: On your computer, choose Start, then select Windows Explorer from your list of programs. In Windows Explorer, your smartphone will appear as a connected drive (mass storage device) where you can drag and drop files, or it will appear as an MTP or PTP device that lets you use Windows Media Player to transfer files. For more instructions or driver files, visit www.motorola.com/mymotoX.
- For Apple™ Macintosh™: Use Android File Transfer, available at www.android.com/filetransfer.

Share your data connection

Your computer can access the internet through your smartphone’s mobile network—you just need a USB cable.

Tip: To share a Wi-Fi connection, see “**Wi-Fi hotspot**” on page 51.

- 1 Connect your smartphone to your computer using a USB cable.

Note: If your computer is running something older than Microsoft® Windows® 7 or Apple™ Macintosh™ OSX, it might require special configuration.

- 2 On your smartphone, tap Apps  →  **Settings**, then make sure the **Wi-Fi** switch is set to .
- 3 In **Settings**, tap **Tethering & portable hotspot**, then check **USB tethering** to start the connection.

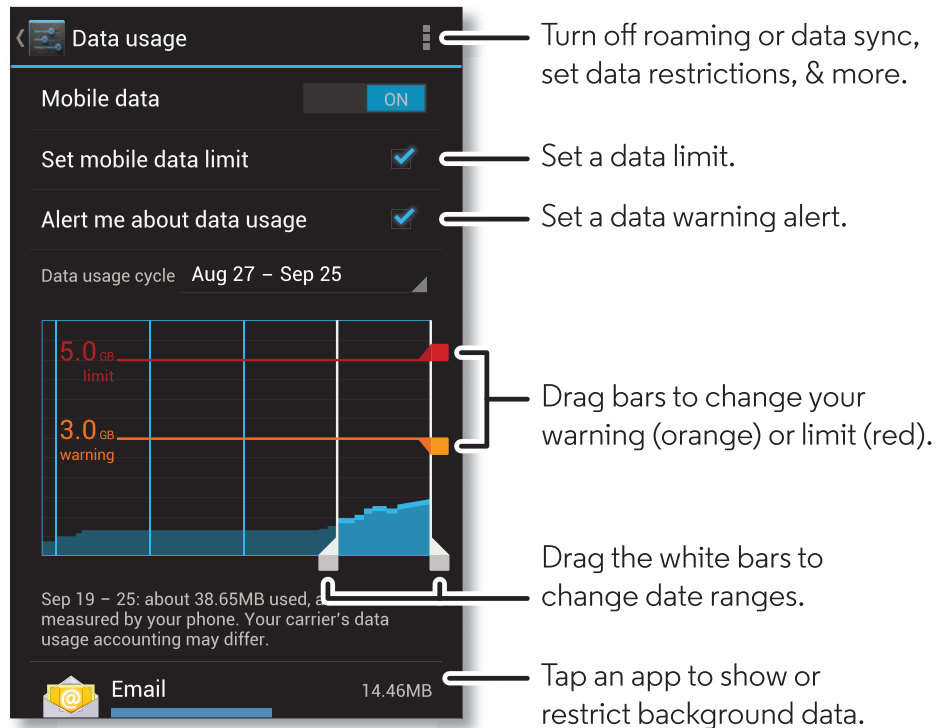
To stop the connection, uncheck **USB tethering**, then disconnect your smartphone from your computer.

Data use

You can track the amount of data uploaded and downloaded by your smartphone.

Note: Usage information is provided to help you manage your smartphone. This may not match the amounts charged by your service provider, as they’re not measured in the same way.

Find it: Tap Apps  →  **Settings** → **Data usage**



The graph shows data use on your mobile network. Below the graph, apps are listed from highest to lowest data use.

Tip: Apps that use a lot of data might also use a lot of battery power.

Some apps transfer data in the background when you're not viewing them—to stop an app from doing this, tap it and then check **Restrict background data**.

To turn off background data use for all apps, just tap Menu  → **Restrict background data**.

NFC

Near Field Communication technology lets you instantly share content (like web links, contacts, and photos), information, and more, by touching the back of your smartphone to another NFC-enabled device.

Find it: Tap Apps  →  **Settings** → **More**, and make sure that **NFC** is checked

Share with Android Beam™

Use Android Beam to share content on your smartphone with another NFC-enabled smartphone or tablet.

- 1 Tap Apps  →  **Settings** → **More** → **Android Beam**, then tap the power switch to turn it **ON**.
- 2 Open the screen with the content you want to share (such as a photo or web page).
- 3 Touch the back of your smartphone to the back of the other device.
When the devices connect, you'll see **Touch to Beam** on your smartphone.
- 4 Tap your screen to share your content.

Receive with NFC

Receive web links, e-coupons, brochures, maps, and more from an NFC tag. Look for the NFC logo on posters, signs, store displays, and other places. Just touch the back of your smartphone to the logo to receive its tag information.

Bluetooth & Wi-Fi one-touch setup

Just touch the back of your smartphone to an NFC-enabled Bluetooth device or Wi-Fi access point to automatically pair or connect with the device.

Mobile payment

Use a secure payment app, like Isis Mobile Wallet™, to pay for your purchase (where available).

Look for the NFC logo to confirm that you can make a mobile payment. Touch the back your smartphone to the payment device to pay for your purchase.

Security

Mobile payments, wireless connections, and content sharing all demand security:

- **Range:** NFC only works over a short range (about 4 cm/1.5 inches), so it's unlikely you'll connect by mistake—if you did, you would still have to accept the connection to send or receive information.
- **Encryption:** Your smartphone uses the latest security, encryption, and authentication features to protect your personal information for mobile payments and content sharing.

Wireless display

Mirror your smartphone's screen on an HDTV without any cords—with minimal setup.

Find it: Tap Apps  →  **Settings** → **Display** → **Wireless display**, then tap the power switch to turn it .

Your smartphone scans for compatible wireless display devices. Select a device to show your smartphone's screen on the big screen.

Wireless Display requires either a Miracast™-enabled HDTV or a Wireless Display adapter to work. If you don't have a TV or monitor that supports Wireless Display, you can purchase an accessory (dongle) to enable it.

Tip: For faster access, you can add a wireless display widget to your home screen. See “**Control & customize**”.

Your cloud

One account with access to everything, everywhere—smartphone, tablet, computer.

Sync your Google™ account

When you log in to the same Google account, all devices can get to all the same apps, movies, books, and music from “**Google Play™**” on page 13—plus you share the same Gmail™, Google Calendar™, and other Google services. To add accounts to your smartphone, tap Apps  →  **Settings**, go to the **ACCOUNTS** section, and tap  **Add account** → **Google**.

Smartphone & tablet

Your Android™ smartphone and tablet can work together to help you get the most out of both:

- **Transfer media and files:** Copy files to your smartphone and transfer them to other devices—see “**Transfer files**” on page 50.
- **Smartphone hotspot:** If you have a Wi-Fi tablet, turn your smartphone into a Wi-Fi hotspot to let your tablet access the internet anywhere—see “**Wi-Fi hotspot**” on page 51.
- **Bluetooth® accessories:** If you have a Bluetooth keyboard or other accessories to use with your tablet, remember you can use them with your smartphone too. To connect them, see “**Bluetooth® wireless**” on page 49.

Virtual Private Networks (VPN)

A VPN lets you access files on a secured network (like an office network with a firewall). Contact the network administrator to ask for VPN settings, and any additional apps or other requirements.

To enter VPN settings, tap Apps  →  **Settings** → **More** → **VPN**. Choose the type of VPN and enter settings from the network administrator. The network is stored in the **VPN** list so you can select it whenever you need to connect.

Mobile network

You should not need to change any network settings. Contact Verizon Wireless for help.

Tap Apps  →  **Settings** → **More** → **Mobile networks** to see network settings options.

Airplane mode

Use airplane mode to turn all your wireless connections off—useful when flying. Press and hold the Power key → **Airplane mode**.

Note: When you select airplane mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth® power 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.

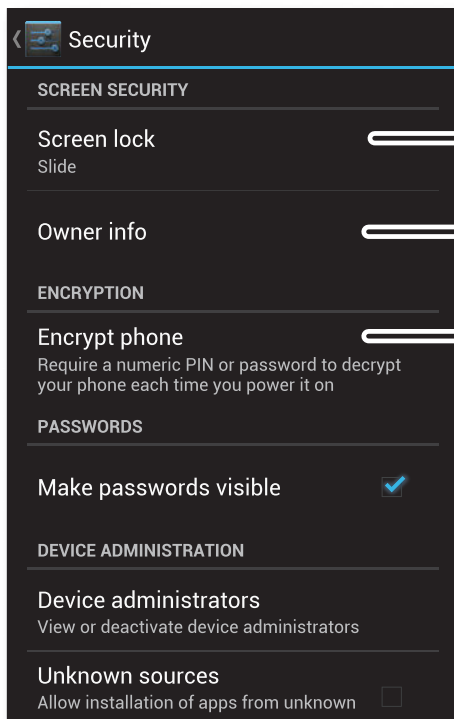
Protect

Quick start: Protect

Make sure your information is protected in case your smartphone is lost or stolen.

Find it: Tap Apps  →  **Settings** → **Security**

The easiest way to protect your smartphone is to use **Screen lock**. You can choose facial recognition, a pattern, PIN, or other options to unlock your smartphone.



For a screen lock, you can use facial recognition, a pattern, password, or other options.

Add some info to show on your lock screen.

Encrypt the data stored on your smartphone.

Tips & tricks

- **Face unlock:** Unlock your smartphone by looking at it. Tap Apps  →  **Settings** → **Security** → **Screen lock** → **Face Unlock** and follow the prompts.
- **Forgotten pattern, PIN, or password:** If you forget your pattern, PIN, or password, you can enter your Google™ account email and password to unlock the smartphone (see “**Can’t unlock?**” on page 57).

Screen lock

To keep your smartphone secure, you can make the touchscreen lock when it goes to sleep.

Find it: Tap Apps  →  **Settings** → **Security** → **Screen lock**, then select the lock type:

- **None:** Turn off the screen lock.
- **Slide:** Touch  and drag to the outer circle that appears.
- **Face Unlock:** Look at your smartphone to unlock it.

Follow the prompts to capture your face and enter a PIN or password (for backup or to change the lock setting). When the screen is dark, press the Power key, then frame your face in the square at the bottom to unlock.

Note: This feature is less secure than a pattern, PIN, or password.

- **Pattern:** Draw a pattern to unlock.

- **PIN:** Enter four to sixteen digits to unlock.
- **Password:** enter four to sixteen letters, digits, or symbols to unlock.

To change when your touchscreen goes to sleep, see “**Power key**” on page 18.

Note: You can make emergency calls on a locked smartphone (see “**Emergency calls**” on page 28). A locked smartphone still rings, **but you need to unlock it to answer.**

Can’t unlock?

Face unlock: If your smartphone doesn’t recognize your face, you’ll be prompted to enter your backup pattern or PIN code to unlock it.

Pattern, PIN, or password: If you forget your pattern, PIN, or password, you can enter your Google™ account email and password to unlock the smartphone.

If you don’t have a Google™ account on your smartphone, contact Verizon Wireless to have your device factory reset.

Warning: A factory reset will delete all data on your smartphone.

SIM lock

Caution: If you enter an incorrect SIM PIN code three times, your smartphone locks your SIM card and asks for your PIN unlock code. Contact Verizon Wireless for your PIN unlock code.

To set a SIM card PIN that you must enter when you turn on your smartphone:

Find it: Tap Apps  →  **Settings** → **Security** → **Set up SIM card lock** → **Lock SIM card**

To set your SIM PIN, enter a 4-digit code. To change your code, choose **Change SIM PIN.**

Encrypt your smartphone

Caution: If you forget your encryption code, you cannot recover the data stored on your smartphone or memory card. Encrypting your files can take an hour or more. Leave your smartphone plugged in, and be careful not to interrupt the process.

Encryption protects the accounts, settings, apps, and files on your smartphone, so that people cannot access them if your smartphone is stolen.

To encrypt your smartphone and require a PIN or password whenever you turn on your smartphone:

Find it: Tap Apps  →  **Settings** → **Security** → **Encrypt phone**

Backup & restore

Your Google™ account data is backed up online. If you reset or replace your smartphone, just log in to your Google account to restore the contacts, events, and other details you synced with the account. To choose what syncs with the account, tap Apps  →  **Settings** → **Google**, tap your Google account, and check things to sync. Please note that text messages, call logs, and items stored on your smartphone will not be restored. To restore your Google Play™ Store apps, see “**Take Care of your apps**” on page 15.

Reset

To reset your smartphone to factory settings and erase all the data on your smartphone, tap Apps  →  **Settings** → **Privacy** → **Factory Data Reset** → **Reset Phone**.

Warning: All downloaded apps and user data on your smartphone will be deleted. Data on the cloud will not be deleted.

Want more?

Get more!

There's more help, updates, and information right here:

- **Tutorials & Help:** Tap Apps  →  **Help** to get walk-through tutorials or chat with people who can help.
- **Updates:** Get smartphone updates, PC software, online help, guides, and more at www.motorola.com/mymotoX.
- **Accessories:** Find accessories for your smartphone at www.motorola.com/mobility.
- **Apps:** Tap Apps  →  **Play Store**.
- **News:** Get the latest news, apps, tips & tricks, videos and so much more—join us on:

 **YouTube™** www.youtube.com/motorola

 **Facebook®** www.facebook.com/motorola

 **Twitter** www.twitter.com/motorola

 **Google+™** www.google.com/+Motorola

Tips & tricks

- **Google™ help:** In every Google app, you can tap Menu  → **Help**. You can also view the Google help centers online at www.google.com/support.

Troubleshooting

Crash recovery

In the unlikely event that your smartphone stops responding to touches and key presses, try a reboot—press and hold both the Power and the Volume Up keys until the screen goes dark and your smartphone restarts. If necessary, hold the Power key to turn your smartphone back on.

Service & repairs

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

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

Battery Use & Safety

Warning: Your mobile device contains a battery that should only be removed by a Motorola approved service center or recycler.

- Don't try to remove or replace the battery yourself. Attempting to remove or replace the battery may damage the battery and may cause burning and injury.
- Don't try to take apart or fix your phone. Attempting to take apart or fix your phone may damage the battery and may cause burning and injury.
- Don't crush, bend, or expose your phone to heat or liquid. This may damage the battery and may cause burning and injury.

Battery Charging

Notes for charging your product's battery:

- During charging, keep your mobile device 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

Using 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. Using a non-Motorola battery or charger may present a risk of fire, explosion, leakage, or other hazard. Motorola's warranty doesn't cover damage to the phone caused by non-Motorola batteries and/or chargers. For a list of Motorola accessories, visit www.motorola.com/us/consumers/Accessories/accessories,en_US,sc.html (in English only).

Driving Precautions

Responsible and safe driving is your primary responsibility when driving a vehicle. Making calls or using applications while driving may cause distraction, and may be prohibited or restricted in certain areas—always obey local laws and regulations for the use of mobile devices and accessories in the vehicle.

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.
- Concentrate on driving, and stop using the mobile device if you can't concentrate.

Pull over safely before using your mobile device to send messages, surf the web, or use other applications.

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.

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 sound, 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.

Repetitive Motion

When you repetitively perform actions, such as pressing keys, you may experience 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.

Supervise access. If a child does use your mobile device, monitor their access to help prevent loss of data or unexpected charges for data or application purchases.

Glass Parts

Some parts of your mobile device may be made of glass. This glass may break if the product receives a substantial impact. If glass breaks, don't attempt to service the device yourself. Stop using your mobile device until the glass is replaced by a qualified service center.

Use & Care

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



liquids

Don't expose your mobile device to water, rain, extreme humidity, sweat, or other liquids.



drying

Don't try to dry your mobile device using a microwave oven, conventional oven, or dryer.



extreme heat or cold

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



dust and dirt

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



cleaning

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



shock and vibration

Don't drop your mobile device or expose it to strong vibration.



protection

To help protect your mobile device, always make sure that all connector and compartment covers are closed and secure, and avoid carrying it with hard objects such as keys or coins.

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.

Turn off your mobile device before entering such an area, and do not charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Symbol Key

Your charger, mobile device, device display, user's guide, or packaging may contain symbols, defined as follows:

Symbol	Definition
	Important safety information follows.
	Your battery or mobile device may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Don't dispose of your battery or mobile device with your household waste. See "Disposal & Recycling" for more information.
	For indoor use only.
	Listening at high volume to music or voice through a headset may damage your hearing.

Radio Frequency (RF) Energy

Exposure to RF Energy & Device Operation

Your mobile device contains a transmitter and receiver of RF energy. It is designed to comply with regulatory requirements concerning human RF exposure.

For optimal device performance, and to stay within the RF exposure guidelines:

- Hold your mobile phone like a landline when talking on it.
- When using the mobile phone next to your body (other than in your hand or against your head), maintain a distance of 2.5 cm (1 inch) from your body to be consistent with how the mobile phone is tested for compliance with RF exposure requirements.
- If you use your mobile phone with an accessory case or holder, make sure the accessory is free of metal.

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 use an implantable pacemaker or defibrillator, consult your healthcare provider and the device manufacturer's directions before using this mobile device.

Persons with a pacemaker or defibrillator should observe the following precautions:

- ALWAYS keep the mobile device more than 20 centimeters (8 inches) from the pacemaker or defibrillator when the mobile device is turned ON.
- Use the ear opposite the pacemaker or defibrillator 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.

European Union Directives Conformance Statement

The following CE compliance information is applicable to Motorola mobile devices that carry one of the following CE marks:

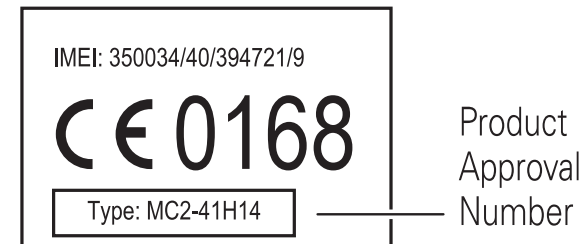


Hereby, Motorola declares that this product is in compliance with:

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives

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.

The following gives an example of a typical Product Approval Number:



You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (to R&TTE Directive) at www.motorola.com/rtte (in English only). To find your DoC, enter the Product Approval Number from your product's label in the "Search" bar on the website.

FCC Notice to Users

The following statement applies to all products that bear the FCC logo and/or FCC ID 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 product information): In the United States, do not use your device outdoors while connected to an 802.11a Wi-Fi network. The FCC prohibits such outdoor use since frequencies 5.15-5.25 GHz can cause interference with Mobile Satellite Services (MSS). Public Wi-Fi access points in this range are optimized for indoor use.

Industry Canada Notice to Users

This device complies with Industry Canada licence-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, Section 7.1.3. 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

Motorola mobile devices can provide information about their approximate location to applications, using sources including GPS, AGPS, and Wi-Fi. GPS (Global Positioning System) uses government-operated satellites that are subject to changes implemented in accordance with Department of Defense policy and the Federal Radio Navigation Plan. These changes may affect the performance of location technology on your mobile device. AGPS (Assisted Global Positioning System) uses your wireless service provider's network to improve GPS performance. Airtime, data fees, 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.

Mobile devices transmit location-based information when connected to a wireless network or when using other location technologies like GPS. If you use applications that require location-based information such as driving directions, your mobile device will provide location information to them. These applications may share location information 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

If your Motorola mobile device provides 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 don't 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. 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 mobile device'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 mobile 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 about how using your mobile device may impact your privacy or data security, please contact Motorola at privacy@motorola.com, or contact your service provider.

Disposal & Recycling

Mobile Devices & Accessories

Please don't dispose of mobile devices or electrical accessories (such as chargers, headsets, or batteries) with your household waste. **Warning: Never dispose of batteries, either separately or within a mobile device, in a fire because they may explode.** Mobile devices or electrical accessories should be disposed of in accordance with the national collection and recycling schemes operated by your local or regional authority. Or, you may return unwanted Motorola mobile devices and electrical accessories to any Motorola Approved Service Center in your region. For details on approved national recycling schemes and Motorola recycling activities, go to: 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.

Hearing Aid Compatibility with Mobile Phones

Please visit www.motorola.com/hacphones or see the user's guide for your phone model.

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 LLC
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 go to Apps → **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

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/support**, 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 doesn't 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 LLC 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 LLC or its subsidiaries' warranty obligations are limited to the terms and conditions set forth herein. Subject to the exclusions contained below, Motorola Mobility LLC 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.
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