User Guide
Check it out

When you're up and running, explore what your phone can do.

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Tip: View all of these topics on your phone, swipe up ▲ from the home screen and tap ☰ Settings > Help. For FAQs, and other phone support, visit www.motorola.com/support.

SAR

This product meets the applicable national or international RF exposure guidance (SAR guideline) when used normally against your head or, when worn or carried, at a distance of 5 mm from the body. The SAR guideline includes a considerable safety margin designed to assure the safety of all persons, regardless of age and health.

Caution: Before using your phone, please read the Legal information. Swipe up ▲ > ☰ Settings > System > Legal information.
Get Started

First look
Let’s get started. We’ll guide you through startup and tell you a bit about your phone’s features.

Power button
Your Power button helps in a few ways.

» Power on/off: Press and hold the Power button, then tap Power off. When your phone is off, press and hold the Power button to turn it on.

» Sleep: To conserve battery power or prevent accidental touches, put the touchscreen to sleep by pressing the Power button.

» Wake up: Press the Power button again.

» Reboot: To reboot your phone, press and hold the Power button, then tap Restart.

Tip: To add security to your phone, see Protect your phone.

Volume buttons
Your volume buttons can help:

» Ringer volume: Press the buttons when your phone is ringing to silence it.

» Earpiece volume: Press the buttons during a call.

» Music/video volume: Press the buttons during a song or video.

Tip: For more on volume control, see Volume.

Note: Certain apps and features may not be available in all countries.
Insert the SIM and microSD cards
To activate phone service, you might need to insert a SIM card, or this may have been done for you. You can also add a microSD card, which is optional and sold separately.

Put in the cards
**Caution:** Make sure you use the correct size SIM card and don’t cut the SIM card.

![Insert the nano SIM and memory cards.](image)
- Insert the SIM tool into the tray hole to pop out the tray.
- Insert the SIM card with the gold contacts down.
- Insert an optional microSD card (sold separately).

![Push the tray back into your phone.](image)
**Caution:** Handle the tray with care to avoid bending.

Charge up & power on
Charge your phone fully and turn the power on. Follow the screen prompts to get started.

![Charge up.](image)
Before using your phone, fully charge it with the charger provided.

![Power on.](image)
Press & hold the Power button until the screen lights up.

Sign in
If you use Gmail™, you already have a Google™ account—if not, you can create an account during setup. Signing into your Google account lets you access, sync, and backup your stuff. You can see your Google apps, contacts, calendar, photos, and more.

Tips
- To add, edit, or delete accounts, swipe up ➠ Settings ➤ Accounts.
- To set up email accounts, see Gmail.
- For help with your Google account, visit www.google.com/accounts.
Connect to Wi-Fi
For faster Internet access and to conserve data use, swipe the status bar down. Press and hold Wi-Fi to choose a Wi-Fi network. For full instructions, see Connect with Wi-Fi.

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

Explore by touch
Find your way around:
» Tap: Choose an icon or option.
» Touch and hold: See more options.
» Drag: Move items on the home screen.
» 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.
» Back: Tap Back to go to the previous screen.
» Home: Tap Home to return to the home screen.
» Recents: Tap Recents to see your recent apps (or browser tabs), and tap an app to reopen it. Double tap to quickly switch between your recent apps. To remove an app from the recent list, swipe it up. To scroll the list, swipe right or left.

Note: If One Button Nav is active, swipe the on-screen navigation bar right to switch between apps. For more on this feature, see Control with one touch.

Note: You don’t need to remove apps from Recents for your phone to run efficiently.

» Split screen: In Recents, tap the icon at the top of the screen, then tap Split screen. Not all apps will work in split screen. To close the split screen, drag the dividing line to the bottom of the screen.

» Menus: When you see ; or ; you can tap it to open options for the current screen.

» Close Keyboard: To close a keyboard, tap ▼.

Improve battery life
Your phone processes tons of information. Depending on what you use, that can take a lot of power.
When your phone is stationary, not charging, or not in use for a period of time, unnecessary background processes are shut down to optimize battery life.

» To see what’s using up battery power, swipe up > Settings > Battery > USAGE DETAILS.

» To help improve battery life, swipe up > Settings > Battery > Battery saver, and turn it on.

Tip: To quickly open Settings, swipe down on the status bar and tap 📲.

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

» Widgets that stream information to your home screen, like news or weather.

» Unused accounts: Swipe up > Settings > Accounts.

» Recording or streaming videos or music.
Learn the basics

Home screen
The home screen is what you see when you turn on your phone. From here you can explore apps and more.

Note: Software updates happen frequently, so your screen may look a little different.

Tip: Some apps have their own help that’s specific to their features. Just click the menu inside the app for details.

Help & more
Learn even more about your phone and get support.

Find it: Swipe up 🔄 > 🛠️ Settings > Help

Search
On the home screen, tap the Google Search box for a text search or tap 🗣️ to search by voice.

When you type, suggestions appear below the search field:

» To search for a suggestion, tap it.
» To search for text in the search field, tap 🔍 on the keyboard.

Tip: To close the keyboard, tap ▶️.

Note: For more on voice search, see Speak.

Tips

» Open app list: Swipe up 🔄 to see all your apps.
» Return home: To return to the home screen from any location, tap Home ⬇️.
» Pages: To add a page, drag an app to the right side of the screen until you see a new page. You can add multiple pages. To see other pages of shortcuts and widgets (if available), swipe the home screen left.
» Settings: To quickly open common settings, swipe the status bar down. To open more settings, swipe the status bar down again and tap ⚙️.
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, swipe the status bar down for details.

Tip: Getting too many notifications? Touch and hold a notification to see which app is sending them to you. Then you can turn them off.

Notifications screen. Swipe down to see your notifications.

Tip: To quickly change common settings, swipe the status bar down. For more, see Quick settings.

App notifications
You may see a notification dot on an app. This app notification, or badge, tells you the app has an update or an announcement, such as a new email or a missed call. Press and hold the app for more information, options, or app shortcuts.

Wireless Emergency Alerts (U.S. & some countries)
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 swiping up > Settings > Apps & notifications > Advanced > Wireless 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, swipe up > Settings > Apps & notifications > Advanced > Wireless emergency alerts. 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 and search “wireless emergency alerts.”

Status icons
Icons at the top right of the screen tell you about phone status:

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<tr>
<th>Status Icons</th>
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<tbody>
<tr>
<td><img src="image" alt="Network strength" /></td>
</tr>
<tr>
<td><img src="image" alt="Do not disturb" /></td>
</tr>
<tr>
<td><img src="image" alt="Wi-Fi in range/connected" /></td>
</tr>
<tr>
<td><img src="image" alt="Alarm set" /></td>
</tr>
<tr>
<td><img src="image" alt="Bluetooth on/connected" /></td>
</tr>
<tr>
<td><img src="image" alt="Data Saver on" /></td>
</tr>
<tr>
<td><img src="image" alt="Airplane mode" /></td>
</tr>
<tr>
<td><img src="image" alt="Battery charging/full" /></td>
</tr>
</tbody>
</table>

Volume
Press the side volume buttons up or down to select a ringer volume and see other controls.

Learn the basics
Do not disturb
To turn off some or all sounds, swipe the status bar down with two fingers, and touch and hold "Do not disturb." Select one of these options:

- **Sound & vibration:** Select whether to hear alarms, media, or touch sounds.
- **Notifications:** Set if you’d like to see notifications when Do not disturb mode is on.

**Tip:** Create an exception for repeat callers that allows a call to sound from the same person within a 15 minute period, tap **Calls > Allow repeat callers.**

Lock screen
Your touchscreen is on when you need it and off when you don’t.

- **Screen off and on:** Press the Power button to turn the screen off and on.
- **Screen lock:** To unlock the screen, touch \( \) and drag up. To apply security to the lock screen (recommended), see **Screen lock.**
- **Notifications:** Double tap a notification in the lock screen to open it.

**Tip:** To prevent notifications from appearing in the lock screen, swipe up \( \) > **Settings > Apps & notifications > Notifications > On lock screen > Don’t show notifications at all.**

- **Lock screen message:** To add a message to your lock screen, such as your name in case your phone gets lost, swipe up \( \) > **Settings > Security & location, tap \( \) > **Lock screen message.**
- **Screen timeout:** To change your timeout (screen locks automatically), swipe up \( \) > **Settings > Display > Advanced > Sleep.**

Quick settings
For quick access to **Wi-Fi, Bluetooth, Airplane mode,** brightness, and other settings, swipe the status bar or lock screen down. Swipe down again for more settings. Tap an icon to toggle it on or off. Press and hold an icon to see more options. For even more settings, tap \( \).

Tap \( \) to rearrange your settings and add or remove settings.

Learn the basics
Speak

**Google Voice™**

Use Google voice commands to tell your phone what you want.

» **Use voice to make a call:** Tap on the home screen. Then say “Call” and then a contact name or number. Or, say “Send text.”

   **Tip:** If a contact has more than one number, you can say which number to call (for example, “Call Joe Black Mobile”).

» **Search by voice:** Tap on the home screen to search by voice.

   **Note:** To wake up your phone by saying “Ok Google,” see The Google Assistant™.

**Voice to text**

On a keyboard, tap , then speak your message or search text. You can also speak punctuation.

**The Google Assistant™**

**Note:** This feature may not be available in all languages.

Get things done using just your voice.

To turn on the Google Assistant, touch and hold Home from any screen, then speak or type a command. You can also say, “Ok Google” to open the Google Assistant.

**Tip:** Or swipe up > Settings > Google > Search, Assistant & Voice > Settings > Assistant > Phone > Google Assistant to open the Google Assistant.

**Screen search**

**Note:** This feature may not be available in all languages.

Screen search provides information based on the app you’re in. Touch and hold Home while in an app.

To turn Screen search on/off, swipe up > Settings > Google > Search, Assistant & Voice > Settings > Assistant > Phone > Use screen context.

For more on the Google Assistant, visit https://support.google.com/assistant.

**Direct Share**

In some apps, you can share something directly to a contact, app, or conversation. Select the share option within an app, then select a contact, choose an app, or type a name or number to find a contact.
Picture-in-Picture
If you’re watching a video, on a video call, or using navigation, and you change screens, your video continues to play in a small window on your screen.
» Tap twice to return to it.
» Tap the ✗ to close it.
» Tap Home  to put the video in a small window.
» Drag video around your screen.
Note: Not all apps support this feature.

Customize your phone
Redecorate your home screen
Customize your home screen the way you want.

» Change your wallpaper: Touch and hold an empty spot on the home screen, then tap Wallpapers.
» Add a home screen page: Drag an app to the right side of the home screen until a new page appears. You can add multiple pages.
» Adjust display settings: Adjust brightness, font size, and screen saver. Swipe up ⬆️ > Settings > Display.
» Rotate: In many apps, the touchscreen switches from portrait to landscape when you rotate your phone. To turn this on or off, swipe up ⬆️ > Settings > Display > Advanced > Auto-rotate screen.
Choose apps & widgets

» Add apps to the home screen: Swipe up ▲, touch and hold an app, then drag it to one of your home screen pages.

» Download new apps: Tap 🔄 Play Store. For more on apps, see App safety.

» Group apps together: Drag one app onto another. Do it again to add more apps to the folder. To name the folder, tap it and enter a name below the apps.

» See app options: Touch and hold an app. If the app has quick options (shortcuts), you’ll see a list.

» Add widgets: Touch and hold an empty spot on the home screen, tap Widgets, touch and hold a widget, then drag it to your home screen.

» Resize widgets: You can resize some widgets—touch and hold a widget until you feel a vibration, then release. Drag the white circles at the edges to resize.

» Move or delete widgets and apps: Touch and hold a widget or app and drag it to another spot, another page, or to ✗ Remove.

Note: Removing an app from your home screen doesn’t uninstall the app from your phone.

Customize sounds & appearance

Customize your phone’s sounds and display settings:

» Set ringtone and notifications: Swipe up ▲ > 📱 Settings > Sound.

  Tip: Set notification sounds for individual apps within the app’s settings.

» Night Light: Set your screen to turn slightly amber colored at night, which may help you fall asleep. Swipe up ▲ > 📱 Settings > Display > Night Light.

» Add vibrate for calls: To make your phone vibrate, swipe up ▲ > 📱 Settings > Sound and tap Also vibrate for calls. To silence incoming calls, see Do not disturb.

» Set a ringtone for a contact: Swipe up ▲ > 📞 Contacts, tap the contact, then tap Menu ☰ > Set ringtone.

» Change language: Swipe up ▲ > 📱 Settings > System > Languages & input > Languages.

» Adjust font size: Swipe up ▲ > 📱 Settings > Display > Advanced > Font size.

Discover Moto

See Moto to set more custom features, like twisting your wrist twice to quickly open the camera and placing the phone face down to silence notifications and calls.
Apps

Your phone comes ready with some great apps. To find and add more apps, tap Play Store. To learn more, see App safety.

Phone

Keep in touch by choosing a contact, returning a missed call, or using a voice command to start a call.

Make a call

Find it: Phone

» Call a contact: To call a contact or recent call, tap the contact name.

» Dial a phone number: To open the dialpad, tap Enter a number, then tap to call it.

« Voice dial: To voice dial, tap on the home screen or say “Ok Google”, then say “Call <name>”.

» Voicemail: appears in the status bar when you have new voicemail. To hear it, swipe down and tap the notification.

» Make a contact widget: Touch and hold an empty spot on the home screen, tap Widgets, then touch and hold the Direct dial widget. Drag it to your home screen, then select the contact. Tap the widget to call the person.

Tip: To enter the international dialing code (+), touch and hold 0. To add a pause or wait after numbers, tap Menu.

Calls screen and options that show during a call. To find and call a contact, enter a name in the Search field, tap the Contacts tab at the top right, or tap a contact’s image in the middle of the screen. Tap the dialpad at the middle bottom of the screen to enter a number. During a call, options from left to right are: Speaker, Mute, Dialpad, Hold, Add Caller.

Receive a call

» Answer a call: When your phone is locked, swipe up to answer. When the phone is unlocked, tap ANSWER.

» Ignore a call: When your phone is locked, swipe down to reject the call and send it to voicemail. When the phone is unlocked, tap DECLINE.

Tip: You can also press the Power button to ignore the call, or press a volume button to silence the ringer.

» Respond with a text: When your phone is locked, swipe up and select a message to respond.

Note: When you hold your phone to your ear, the touchscreen goes dark to avoid accidental touches. When you move the phone away from your ear, the screen lights up again. Don’t use covers or screen protectors (even clear ones) that cover the proximity sensor above the touchscreen.
During a call

» **Mute a call**: Tap 📱 Mute on the call screen to mute the call. You can hear your caller, but they can't hear you.

» **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, swipe the status bar down and tap **Ongoing call**.

» **Answer a second call**: To answer a second call, tap 📱 Hold and Answer Voice. The first call is placed on hold. To switch between calls, tap 📱 Swap.

» **3-way call**: To join two calls together, answer the second incoming call while your first call is active, or tap 📱 Add call to dial a second call. The first call is placed on hold. Tap 📱 Merge to join the calls together.

» **End a call**: Tap ✅.

**Favorites**

See all your favorite contacts together.

**Find it**: 📱 Phone > ⭐ Favorites

To add favorites, tap 📱 Contacts, scroll or search to find the contact, then tap the picture (or letter, if no picture) and tap ⭐ Favorites.

**Recent calls**

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

**Find it**: 📱 Phone > 📊 Recents

» To return a call, tap 📱 next to the caller’s name or number.

» To send a text message, store the number, or other options, tap the caller’s picture.

» To remove an entry from the call log, tap the name or number, then tap Call details > 🗑️ Delete.

» To clear the list, tap Menu 📅 > Call history > Menu 🗑️ > Clear call history.

**Your phone number**

**Find it**: Swipe up 🔄 > 📱 Settings > System > About phone > Phone number

**Emergency calls**

Your service provider programs one or more emergency phone numbers you can call under any circumstances, even when your phone is locked. Emergency numbers vary by country. Your pre-programmed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

1 Tap 📱 Phone (if your phone is locked, drag 🖼️ up to unlock it, then tap Emergency).

2 Enter the emergency number.

3 Tap 📱 to call the emergency number.

**Note**: Your phone can use location based services (GPS and AGPS) to help emergency services find you. For more information, swipe up 🔄 > 📱 Settings > Security & location > Location > Advanced > Location services.
Messages

Stay in touch with messages and pictures. For tips on using the keyboard, see Use the keyboard.

Find it: Messages

» Create: Tap to start a new message.

» Attach: When you’re typing a message, tap to attach a picture, audio, video, or more.

» Send: Tap to send the message.

» Reply: Open a conversation, then enter your response in the text box at the bottom and tap .

Apps
Use the keyboard

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

» **Type or gesture:** Enter letters by touching them one at a time. Or, enter a word by tracing a path through the letters. While you’re typing, word suggestions appear above the keyboard. Tap one to select it.

» **Voice entry:** Tap 🎤 on the touchscreen keyboard, then say what you want to type.

» **Close the keyboard:** Tap ⬇.

> **Symbols and numbers:** Touch and hold a letter to enter the number at the top of it. To enter symbols, tap 🆕.

> **Capital letters:** Tap 🆆️ twice quickly.

> **Tip:** Tap 🆆️ for initial capital letters.

> **Keyboard options:** To customize your keyboard, swipe up 🔄 > Settings > System > Languages & input > Virtual keyboard > Gboard.

> **Cut, copy and paste:** Touch and hold a word to highlight it, tap Cut or Copy. Touch and hold the location you want to paste the text, and tap Paste.

Chrome™

Access the Internet with the Chrome browser app.

**Find it:** 🌐 Chrome

Or, from the home screen, tap the Google search box and enter or speak text to search.

**Note:** Your phone uses your Wi-Fi network (or your mobile phone network if no Wi-Fi network is connected) to access the Internet. If you can’t connect, contact your service provider. Your service provider may charge to surf the web or download data.

» **Go to a web page:** Tap the address bar at the top of a page and enter an address.

» **Add a bookmark:** Tap Menu ⚙ > ✦.

» **Open a bookmark:** Open the address bar, then tap Menu ⚙ > Bookmarks.

» **Web page shortcut:** To add a web page shortcut to your home screen, go to the web page and tap Menu ⚙ > Add to Home screen.

» **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.
Apps

» Desktop site

» Reload: If a page doesn’t load correctly, tap Menu > Reload.

» Tabs: To open a new tab, tap Menu > New tab. To move from one tab to another, tap ▶.

» Clear history: In the browser, tap Menu > Settings > Privacy > Clear browsing data. Then choose history, cache, cookies, and other options.

» Help: For more about Google Chrome, tap Menu > Help & feedback or visit https://support.google.com/chrome.

Downloads

Warning: Apps downloaded from the web can be from unknown sources. To protect your phone and personal data from theft, download apps only on Google Play™.

» Files: Tap the download link. To show the file or app, swipe up ▲ > ▪ Files.

» Pictures: Touch and hold it, then tap Download image. To see the picture, tap Photos > Download.

Browser settings

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:

» Incognito: To open a tab that won’t appear in your browser or search history, Menu > New Incognito tab.

» Auto complete: Your browser can automatically fill information like names or addresses in web forms, if you have entered the same information before. If you don’t want that, tap Menu > Settings > Autofill and payments > Autofill forms, then tap the switch to turn it off.

» Pop-ups: To stop pop-up windows from opening, tap Menu > Settings > Site settings > Pop-ups and redirects, then tap the switch to turn it off.

» Safe browsing: To protect your phone from websites that might be unsafe, tap Menu > Settings > Privacy > Safe Browsing.

Camera

Take crisp, clear photos with the back or front camera.

Take photos

Find it: 📷 Camera

» Take a photo: Tap 📷 to take a photo.

» Take a selfie: Tap 📷 in the camera screen to switch to the front camera.

» Zoom: Swipe up or down. (Or pinch two fingers together.)

» Multi-shot: Touch and hold 📷 to take a burst of photos.

Record videos

Find it: 📺 Camera, then tap 📹

Tap 🎬 to start recording. Then tap 🎬 to stop recording. Tap 🎬 on the screen while recording to save a photo.
Camera settings

Point, tap, and you’re done, or play with these camera options. You can find these options along the top of the camera or video screen:

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDR</td>
<td>Turn on HDR (high dynamic range) effect for better pictures in challenging lighting situations, such as outdoors.</td>
</tr>
<tr>
<td>Flash</td>
<td>Set to On, Off, or Auto. With the front facing camera with a flash, you can also turn the torch on or off.</td>
</tr>
<tr>
<td>Beautify</td>
<td>With the front-facing camera, smooth skin and beautify faces. Set to Auto, Manual, or Off.</td>
</tr>
<tr>
<td>Timer</td>
<td>Set a timer to 3 or 10 seconds.</td>
</tr>
<tr>
<td>Manual mode</td>
<td>Control camera settings manually.</td>
</tr>
<tr>
<td>Torch</td>
<td>In video mode, turn on a flashlight (with the back camera only).</td>
</tr>
<tr>
<td>Stabilization</td>
<td>In video mode, remove some of the shakiness of the video.</td>
</tr>
</tbody>
</table>

To find these options, tap Menu or swipe right on the camera screen:

<table>
<thead>
<tr>
<th>Settings</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo size</td>
<td>Set the photo resolution for the camera.</td>
</tr>
<tr>
<td>Selfie photo mirror</td>
<td>Turn on to take a mirrored selfie. Note that the viewfinder will not show a mirrored selfie, but the photo will be mirrored after you take it. (Only available when Active Photos is off.)</td>
</tr>
<tr>
<td>Video size</td>
<td>Set the video resolution.</td>
</tr>
<tr>
<td>Photo format</td>
<td>Choose a file format for your photos.</td>
</tr>
<tr>
<td>Storage</td>
<td>Choose a storage location for your photos and videos (Phone or Memory card).</td>
</tr>
<tr>
<td>Save location</td>
<td>Turn on to tag photos with a location.</td>
</tr>
<tr>
<td>Quick capture</td>
<td>Twist twice to open or switch between front and back cameras.</td>
</tr>
<tr>
<td>Tap anywhere to capture</td>
<td>Capture photos or videos by tapping anywhere on the screen. Zoom by scrolling up or down with one finger.</td>
</tr>
<tr>
<td>Shutter sound</td>
<td>Turn the shutter sound on or off.</td>
</tr>
<tr>
<td>Assistive grid</td>
<td>Overlay a grid to help align the subjects in your photos or videos.</td>
</tr>
</tbody>
</table>

To find these options, tap Menu or swipe right on the camera screen:

<table>
<thead>
<tr>
<th>Options</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portrait</td>
<td>Take portraits using special enhancements and effects. For more, see Take portraits.</td>
</tr>
<tr>
<td>Spot color</td>
<td>Pick one color from the viewfinder while everything else becomes black &amp; white.</td>
</tr>
<tr>
<td>Slow motion</td>
<td>Take a video that will play in slow motion.</td>
</tr>
<tr>
<td>Timelapse</td>
<td>Take a video using timelapse to make a longer video play faster. You can set the playback speed as 4x, 8x, 16x, and 32x (times) faster than a regular video.</td>
</tr>
</tbody>
</table>
### Options

<table>
<thead>
<tr>
<th>Leveler</th>
<th>Take perfectly level photos using a guide line in the viewfinder.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watermark</td>
<td>Add a watermark or signature to your photos.</td>
</tr>
<tr>
<td>Google Lens</td>
<td>Find out more about the things you see in the viewfinder. See <a href="#">Identify &amp; scan items using Google Lens™</a>.</td>
</tr>
</tbody>
</table>

### Take portraits

You can use the portrait mode to add a blur effect and make portions of your photo black and white, while keeping the main subject in perfect focus.

**Note:** Available when using the back camera only.

**Find it:** 📷 Camera > Menu > Portrait

1. Line up your subjects. The closest subject is prioritized automatically. Tap the screen to change the focal point.
2. Slide the bar to increase or decrease the background blur.
3. Tap 📷 to take the photo and hold your camera steady.

**Tip:** For best results, subjects should be 2-6 feet away and not side-by-side. When photographing people, aim for the waist up.

### Identify & scan items using Google Lens™

Search landmarks, products, explore books, identify plants and animals, copy text, scan barcodes, QR codes, business cards, and more.

**Find it:** 📷 Camera > 🕵️

1. Focus your camera on an object, landmark, or code until a circle appears on the object in your viewfinder.
2. Tap the circle.

Depending on the object, you can see the details, take an action, or find more products.

**Tip:** Focus your camera on a book cover, tap the screen to see the book title and author.

**Note:** Google Lens may not work in all languages. You need to be logged into your Google account to use this feature.

### Capture your screen

To capture your phone’s screen, press and hold both the Power and the Volume Down buttons at the same time. Or press and hold the Power button and tap 📷 Photos > Screenshot.

To see the screen capture, tap 📷 Photos > Screenshots.

**Tip:** See also Moto Actions to capture screenshots by touching the screen with three fingertips.

### Photos

#### View, edit & share

**Find it:** 📷 Photos

- **View, share, or delete:** Tap a thumbnail to open it, then tap ⬅️ to share, 🗑️ to delete, or Menu 📜️ for more options.
  - **Tip:** To select multiple files, open a folder, touch and hold a photo, then tap others. Or group photos in an album and share the whole album.

- **Zoom:** Open a photo in your gallery, then double-tap or drag two fingers apart or together on the screen.
  - **Tip:** Turn your phone sideways for a landscape view.

- **Wallpaper or contact photo:** Open a picture, then tap Menu 📜️ > Use as > Wallpaper or Contact photo.

- **Edit:** Open a picture, then tap 📜️

- **Slideshow:** Tap a picture, then tap Menu 📜️ > Slideshow. To stop the slideshow, tap the screen. To show the slideshow on a television or other device, see [Connect, share & sync](#).

  **Tip:** For more about Google Photos™, like how to use the depth editor to blur the background or Color Pop to make the background black and white, visit [https://support.google.com/photos](https://support.google.com/photos).
Gmail
Send and receive email from all of your personal accounts (even if they’re not Gmail accounts). You can manage your accounts in Gmail and easily switch between them.

Find it: Swipe up > Gmail

» Add Gmail accounts: The first time you turned on your phone, 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, swipe up > Settings > Accounts, then tap + Add account > Google.
Tip: In the Gmail app, tap > Settings > Add account.

» Add email accounts: The Gmail app manages all of your email accounts. To add other personal email accounts to the Gmail app, swipe up > Settings > Accounts > Add account. For Microsoft® Exchange server work email accounts, tap + Add account > Exchange, and enter details from your IT administrator.

» Change account settings: To change the settings for a Gmail or email account, swipe up > Gmail > > Settings, then tap the account name.

Duo
Sign in with your Google account to make and receive video calls.

Find it: Swipe up > Duo

» Start a new video call: Tap the search box, then type or tap a name in your contacts to start the video call.

» Preview incoming calls: See live video of the caller before you answer. To turn this off for both the caller and receiver, tap Menu > Settings > Knock Knock.

» Change settings: Tap Menu > Settings to change the vibration setting, block numbers, and more.

» Call anyone: Duo works across platforms, allowing you to call friends with the Duo app on non-Android devices.
Tip: When on a video call, your phone will automatically switch from cellular network to Wi-Fi, if available.
**Moto**

Explore special features designed to save you time and make your day easier.

**Find it:** Moto > Moto > Moto Actions

- **Moto Actions**: Use gestures as phone shortcuts.
- **Moto Display**: See your notifications at a glance.

**Note:** Your phone may not have all features.

Tap to open Moto app features. Or swipe up from the bottom of the screen.

**Moto Actions**

Enhance your phone with gestures and actions.

**Find it:** Moto > Moto > Moto Actions

- **Lift to unlock**: Unlock just by lifting the phone and looking at the screen. For more, see Unlock with your face.
- **Media controls**: Use the volume buttons to change music tracks when the screen is off.

**Screenshot editor**: Edit and share your screenshots.

**Three finger screenshot**: Touch and hold the screen with three fingertips to capture a screenshot.

**One Button Nav**: Use the on-screen bar to navigate. See Control with one touch.

**Fast flashlight**: Turn the flashlight on/off with two chopping motions.

**Quick Capture**: Twist your wrist twice quickly to open the camera.

**Swipe to shrink**: Swipe down to the left or right corner to make the screen smaller for one-handed use.

**Pick up to silence**: Lift the phone to switch incoming calls to vibrate.

**Flip for DND**: Place the phone face down to silence notifications and calls.

**Control with one touch**

Lock and unlock your phone, navigate your phone and more with just one touch.

**Find it:** Moto > Moto > Moto Actions > One Button Nav

Activating One Button Nav will remove the Back, Home, and Recents buttons from your screen. You will navigate your phone using the navigation bar on the bottom of your screen instead.

To navigate with One Button Nav, use these gestures:

- **Home**: Tap quickly on the navigation bar to go to your home screen.
- **Back**: Swipe left on the navigation bar to go back to the previous screen.
- **Switch**: Swipe right on the navigation bar to switch between apps.
- **Recents**: Swipe up on the navigation bar to view recent apps.
- **Google Assistant**: Touch and hold the navigation bar until you feel a longer vibration to activate the Google Assistant (see The Google Assistant™ for more information).
Moto Display
See notifications, keep the screen on when you’re looking at it, and reduce blue light in the evenings.

Find it: 🌒 Moto > ☰ > Moto Display

» Attentive Display: Your screen won’t dim or sleep while you’re looking at it.

» Peek Display: Battery friendly notifications fade in and out while the screen is off to show you what’s going on. To customize what notifications show, tap the switch to turn it on, then tap Peek Display > Level of details to show.

Note: Notification display settings can also be set by swiping up 🔄 > ☰ Settings > Apps & notifications > Notifications.

Calendar
See all your events, all in one place.

Find it: Swipe up 🔄 > ☰ Calendar

» Change the view: Tap the month at the top to choose a date to view. Or tap ☰ to choose Schedule, Day, 3 Day, Week, or Month.

» Go to today’s date: Tap 📅 at the top. (If you have an appointment that day, you’ll see a dot in the icon.)

» Add events: Tap 📆 > Event, enter event details, then tap SAVE.

Tip: In most views, tap a time on the calendar to enter event details.

» Show, edit, or delete events: Tap an event to open it, then tap ✂️ to edit it, or tap Menu  ardından > Delete to remove the event.

» Show, hide, or add calendars: Tap ☰ and select which options, such as events, reminders or other calendars, to show or hide. 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. Touch and hold an empty spot on the home screen, tap Widgets, then touch and hold a calendar widget and drag it to your home screen.
More apps

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

» **Download apps**: Tap Play Store.

» **Log in or open a Google account**: Visit www.google.com/accounts.

» **Google help**: See www.google.com/support.

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

Tip: You can find most of these features on the Contacts tab in the Phone app. See Phone.

Find it: Swipe up > Contacts

Sort contacts, change settings, accounts, and more.

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

Add a contact.

» **Add a contact**: Tap .

» **Edit or delete**: Tap a contact, then tap or tap Menu: > Delete.

» **Call, text, or Set up**: Tap a contact, then tap an option.

» **Search contacts**: In the Contacts list, tap .

  Tip: From the home screen, tap the Google search box and enter a contact’s name.

» **Share a contact**: Tap a contact, then tap Menu: > Share to send it in a message or email, via a Bluetooth connection, or save to Google Drive™.

  Tip: Tap a contact, then tap Menu: > Add to Home screen to add a shortcut for the contact on your home screen.

» **Synchronize**: On your phone, swipe up > Settings > Accounts, and choose your Google account. Then tap Account sync > Menu: > Sync now. You can also see these contacts at www.gmail.com.

» **Add your details**: To store your user profile, tap > Settings > Your info.

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

» To set a favorite, swipe up > Contacts, select a contact and tap .

» To see your favorites, tap Phone > Favorites.

Get contacts
Get all your contacts in one place.

» To add your social networking contacts, swipe up > Settings > Accounts, then tap Add account.

» To add your email contacts, see Gmail.

  Tip: If you add an Exchange account, you can send messages to your coworkers, even if you don’t have them stored in your contacts.

» To import contacts from your SIM card (if it didn’t happen automatically), swipe up > Contacts > Menu > Settings > Import > Import from SIM card. Tap OK to confirm.

» To import contacts from your computer, upload the contacts to your Google account at http://contacts.google.com. On your phone, swipe up > Contacts > Menu
> Settings > Accounts > Automatically sync data. You can also see these contacts at http://mail.google.com.

For help with transferring contacts, go to www.motorola.com/transfercontacts.

Maps

Find a nearby cafe, get directions or step-by-step GPS voice navigation using Google Maps™.

Find it: Swipe up 🔄 > 📍 Maps

Enter what you want to find in the search bar, or tap 🔍 to search by voice.

Note: Your map screen may look different.

Google Maps screen. Enter an address or search by voice in the search field at the top of the screen.

» Find an address: In the search field, type an address or something you’re looking for, like “restaurant.” Tap a item to see more, or tap Directions, Call, or Share.

» Get directions: Tap 🄳 GO, then enter a place or address.

» 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 up/down to tilt.

» Identify address: Touch and hold a spot on the map to show the nearest address.

» Get map help: Tap ☰ > Help.

For more on maps, visit support.google.com/maps.

Drive

Keep 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.

Find it: Swipe up 🔄 > 📁 Drive

» To create a new file or folder, tap 📁.

» To open a file, tap it.

» To edit a document, tap anywhere in the text to begin typing.

Music, movies, TV & YouTube

Music

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

Find it: Swipe up 🔄 > 🎵 Play Music

To upload your music library to Google Play Music, from a computer, visit www.google.com/music.

Tip: Share songs directly with your contacts. Tap Menu ☰ next to a song and tap Share. See Direct Share.

For more on the Play Music app, see support.google.com/music.

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

FM Radio

Find it: Swipe up 🔄 > 📻 FM Radio

Plug in a headset, then use the arrows to tune to a higher/lower frequency station.

Note: Your phone has the Frequency Modulation (FM) broadcast receiver functionality for reception without data usage. The phone will perform an auto tuning for the radio channels with the best signal.
Movies & TV
Find and rent movies and TV shows to watch on your phone, tablet, or computer:
Find it: Swipe up ⬆️ > 🎥 Play Movies & TV
To shop, rent, or watch on a computer, go to play.google.com/store/movies.

YouTube™
Watch videos and podcasts from YouTube users everywhere—or log in to your account to share your own.
Find it: Swipe up ⬆️ > 📺 YouTube

Clock
Find it: Swipe up ⬆️ > 🕒 Clock

<table>
<thead>
<tr>
<th>Options</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm</td>
<td>Tap 🕒. Tap an alarm to edit it, or tap ⌚️ to add a new alarm. <strong>Tip:</strong> Pressing the volume button up or down while you’re setting the volume level for that alarm. When an alarm sounds, tap and drag to ⏭️ to turn it off, or drag to ⏰️ to snooze for ten minutes.</td>
</tr>
<tr>
<td>Clock</td>
<td>To change your alarm volume, snooze delay, or other settings, tap Menu ⌁️ &gt; Settings. For other time zones, tap Home time zone.</td>
</tr>
<tr>
<td>Timer</td>
<td>For a timer, tap ⏰️.</td>
</tr>
<tr>
<td>Stopwatch</td>
<td>For a stopwatch, tap ⏰️.</td>
</tr>
</tbody>
</table>

**Tip:** To set your current date, time, time zone, and formats, swipe up ⬆️ > 🗞️ Settings > System > Date & time.

Connect, share & sync
Connect accessories, computers, networks, and more.

Connect with Wi-Fi
Turn Wi-Fi power on/off
Find it: Swipe up ⬆️ > 🗞️ Settings > Network & internet, then tap the switch to turn it on. When Wi-Fi is on, your phone automatically reconnects to available networks it has used before.

**Note:** You can also turn Wi-Fi on and off in Quick settings.

Connect to networks
To find networks in your range:

1. Swipe up ⬆️ > 🗞️ Settings > Network & internet > Wi-Fi.
2. With Wi-Fi turned on, tap a found network to connect to it. When connected, you’ll see 🔍 in the status bar.

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

Wi-Fi hotspot
Your can make your phone a Wi-Fi hotspot to provide portable, convenient Internet access to other Wi-Fi enabled devices. Your phone turns off Wi-Fi and uses the mobile network for Internet access. This feature may require an additional subscription service from your service provider.

Find it: Swipe up ⬆️ > 🗞️ Settings > Network & internet > Hotspot & tethering > Wi-Fi hotspot

**Note:** These steps may vary depending on your network.
To set up security:
• **Hotspot name:** Enter a unique name for your hotspot.
• **Hide my device:** Hide your hotspot from other devices.
Connect, share & sync

Security: Select the type of security you want: None or WPA2 PSK. For WPA2 PSK, enter a unique password (8 characters) that others will need to access your Wi-Fi hotspot.

Note: To protect your phone and hotspot from unauthorized access, tap Advanced to set up hotspot security (WPA2 is the most secure), including a password.

Wi-Fi modes
Your phone supports the following Wi-Fi modes: 802.11 a, b, g, n.

Connect with Bluetooth wireless

Turn Bluetooth power on
To turn Bluetooth on, swipe the status bar down and touch . Press and hold it to open Bluetooth settings.

Note: Your phone automatically turns on Bluetooth power when you connect to a new device.

Tip: To extend battery life or stop connections, turn Bluetooth off 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. Swipe up > Settings > Connected devices > Pair new device.

3. With Bluetooth turned on, tap a found device to connect it (if necessary, tap PAIR or enter a passkey like 0000). You can tap the device to rename the device and choose what the device will be used for.

When the device connects, the Bluetooth connected indicator appears at the top of the screen.

To automatically disconnect or reconnect a device, just turn the device 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.

Transfer files

» Photos or videos: Open the photo or video, then tap > Bluetooth.

» Contacts: Swipe up > Contacts, tap a person, then tap Menu > Share > Bluetooth.

Bluetooth tethering
To share your phone’s internet connection via Bluetooth, swipe up > Settings > Network & internet > Hotspot & tethering and tap the switch to turn on Bluetooth tethering.

Share files with your computer

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

USB
To load music, pictures, videos, documents, or other files from your computer, connect your phone to your computer with a USB cable. To change the type of USB connection, swipe the status bar down and tap USB.

Tip: Make sure to connect the phone to a high power USB port.

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®: On your computer, choose Start, then select Windows Explorer from your list of programs. In Windows Explorer, your phone 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/support.

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

To enter VPN settings, swipe up > Settings > Network & internet > Advanced > VPN. Tap + to add a new VPN. Choose the type of VPN and enter settings from the network administrator. Select the VPN name to connect.

Share your data connection
Your computer can access the Internet through your phone’s mobile network—you just need a USB cable.

Note: Your phone turns off Wi-Fi and uses the mobile network for Internet access. This feature may require an additional subscription service from your service provider.

1 Connect your phone 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 phone, swipe up > Settings, and make sure Wi-Fi is off.

3 In Settings, tap Network & internet > Hotspot & tethering, then tap the USB tethering.

To stop the connection, tap USB tethering again, then disconnect your phone from your computer.

Print
To print your photos, documents, and more from your phone, check if your printer’s manufacture has an app on Google Play. Then swipe up > Settings > Connected devices > Connection preferences > Printing to get started.

You can also send your photos, docs, and more to any Android device in your cloud or to Google Drive. Just download the Cloud Print app from Play Store.

Sync to the cloud
One account with access to everything, everywhere—phone, 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—plus you share the same Gmail, Google Calendar™, and Google Mobile™. To add Google accounts to your phone, swipe up > Settings > Accounts > Add account > Google.

Phone & tablet
Your Android phone and tablet can work together to help you get the most out of both:

» Transfer media and files: Copy files to your phone and transfer them to other devices—see Transfer files.

» Phone hotspot: If you have a Wi-Fi tablet, turn your phone into a Wi-Fi hotspot to let your tablet access the Internet anywhere—see Wi-Fi hotspot.

» Bluetooth® accessories: If you have a Bluetooth keyboard or other accessories to use with your tablet, remember you can use them with your phone too. To connect them, see Connect with Bluetooth wireless.

Use a memory card
You can move pictures, videos, audio, and other media files from internal phone storage to a microSD card (sold separately). You can remove the microSD card and put it in another device, so you can copy or view the media files on that device. You can also view the storage space available or erase all content to start fresh.

Note: Your phone supports microSD cards up to 512GB. Use a Class 10 (or higher) microSD card for best results.

Move files from your phone to a memory card
To move files to a microSD card (sold separately):

1 Swipe up > Settings > Storage, then tap the SD card name.

2 Touch and hold a folder or a particular item, then tap Menu > Move to...

Mount or unmount memory card
To mount an microSD card, just put it in your phone (see Insert the SIM and microSD cards).

To unmount your microSD card (so you can take it out of your phone), swipe up >
Set your screen lock, then tap to adjust settings.

Add a fingerprint for more unlock options.

1. Tap **Screen lock** and select the lock type:
   - **None**: Turn off the screen lock.
   - **Swipe**: Touch and drag up to unlock.
   - **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.
2. After setting the lock type, tap for screen lock settings.

Protect your phone

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

Screen lock

The easiest way to protect your phone is to lock your touchscreen when you are not using it. You can choose the best method for you to unlock your phone.

Find it: Swipe up > Settings > Security & location

**Settings** > **Storage**. Then tap next to the microSD card name.

**Caution**: Do not remove a microSD card while your phone is using it or writing files to it.

**Airplane mode**

Use airplane mode to turn off all your wireless connections—useful when flying. Swipe the status bar down and tap **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.

**Mobile network**

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

To see network settings options, swipe up > Settings > Network & internet > Mobile network.
To change when your touchscreen goes to sleep, swipe up ▲ > Settings > Display > Advanced > Sleep.

Note: You can make emergency calls on a locked phone (see Emergency calls). A locked phone still rings, and you do not need to enter a PIN or password to answer a call.

Unlock with your face
Unlock your phone just by looking at it.

Note: Face unlock is less secure than a PIN or password.

Find it: Swipe up ▲ > Settings > Security & location > Face unlock

Can’t unlock?
If you forget your pattern, PIN, or password, you can enter your Google account email and password on another device to unlock the phone.

If you don’t have a Google account on your phone, contact your service provider to have your phone factory reset.

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

Screen pinning
Need to keep an important screen handy, like a boarding pass or shopping coupon? Pin the screen for easy access.

Find it: swipe up ▲ > Settings > Security & location > Advanced > Screen pinning, then tap the switch to turn it on

To pin a screen, tap Recents ▶ and scroll to an app. Tap the icon at the top of the app and tap Pin.

To unpin the screen, touch and hold Back ◀ and Recents ▶ until you see Screen unpinned.

Tip: To secure your phone when you activate screen pinning, tap Ask for PIN before unpinning.

Backup & restore
Find it: Swipe up ▲ > Settings > System > Backup > Back up to Google Drive

Your Google account data is backed up online. If you reset or replace your phone, just log in to your Google account to restore the contacts, events, and other details you synced with the account.

To restore your Google Play apps, see Take care of your apps.

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

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

You shouldn’t need to use this feature, but to encrypt your phone and require a PIN or password whenever you turn on your phone, swipe up ▲ > Settings > Security & location > Advanced > Encryption & credentials > Encrypt phone.

Your privacy
Location
Some apps, such as Map, request your location in order to provide information, like directions or helping you find a nearby gas station.

» To turn location on or off: Swipe up ▲ > Settings > Security & location > Location.

» To see which apps have access to your location, tap App-level permissions.

Passwords
Your phone briefly shows password characters as you type. To turn this off, swipe up ▲ > Settings > Security & location > Advanced > Show passwords.

App safety
Apps from Google Play
Get music, movies, books, apps, games, and more.

Find it: Play Store
Apps from the Internet
You can get apps from other online app stores using your browser.

Tip: Choose your apps and updates carefully, as some may impact your phone’s performance—see Choose carefully.

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 access this information, cancel the installation.

To let your phone install apps that are not on Google Play, swipe up > Settings > Apps & notifications > Advanced > Special app access, then tap Install unknown apps and choose which sources are allowed.

Choose carefully
Here are a few tips:
» To help prevent spyware, phishing, or viruses, use apps from trusted sites, like the Google Play.
» Check the app’s ratings and comments before installing. If you doubt the safety of an app, don’t install it.
» Apps use up memory, data, battery, and processing power—some more than others. If you’re not happy with how much memory, data, battery or processing power an app is using, uninstall it.
» 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.

Set app permissions
You may be asked for permissions when you use a feature in an app.

To modify the app permissions settings, swipe up > Settings > Apps & notifications > App permissions. Then tap a feature (such as microphone) to see which apps have permissions to use it. Tap the switch to turn the permission on or off.

Take care of your apps
» Uninstall apps: To remove an app from a home screen page, touch and hold the app, then drag it to Remove. The app isn’t removed from your phone, just the home screen.

To remove an app from your phone, touch and hold the app, then drag it to Uninstall.

Note: Not all apps can be uninstalled, but they can be disabled.

» Disable/Stop apps: To disable an app or force it to stop running, swipe up > Settings > Apps & notifications. Tap an app, then tap DISABLE or FORCE STOP. To enable it, tap ENABLE (tap the down arrow to sort the apps listed).

» Reinstall apps: To reinstall apps from Google Play, swipe up > Play Store, then tap > My apps & games > Library. The apps you downloaded are listed and available for download.

» See app details: Touch and hold an app, then tap i

» See app data usage: To show which apps are using the most data, swipe up > Settings > Network & Internet > Data usage. For more, see Data usage.
Data usage

You can track the amount of data your phone uploads and downloads.

Find it: Swipe up > Settings > Network & internet > Data usage

![Data usage screenshot]

See the total amount of data used for this period.

Tap to turn on Data saver to reduce data usage.

Set a warning and limit for how much data you use.

Some apps transfer data in the background when you’re not viewing them—to help reduce this type of data usage, tap Data saver to turn it on.

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

Troubleshoot your phone

Restart or remove an app

If an app locks up your phone as soon as you turn it on, restart in Safe Mode: Press and hold the Power button. When you see the Power off option, press and hold it. Your phone restarts with Safe mode in the lower left. Then, try removing the app.

To exit safe mode, restart your phone.

Restart your phone

In the unlikely event that your phone stops responding to touches and button presses, try a reboot—press and hold the Power button until the screen goes dark and your phone restarts.

Check for software update

To manually check for updates, swipe up > Settings > System > Advanced > System updates.

Your phone downloads updates over your Wi-Fi connection (if available) or mobile network. We recommend that you download updates over a Wi-Fi connection. These updates can be quite large and may not be available in all countries.

Note: When updating your phone, make sure you have enough battery power to complete the update.

If the mobile network updates are not available in your country, update using a computer. On your computer, go to www.motorola.com/update.

Reset

To reset your phone to factory settings and erase all the data on your phone, swipe up > Settings > System > Advanced > Reset options > Erase all data (factory reset).

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

Your phone has Android Device Manager. You can remotely lock or reset your device to protect your device from thieves. For details, see www.google.com/android/devicemanager.

Find the IMEI number

You can find the IMEI number by typing *#06# on your phone's dialpad. Or swipe up > Settings > System > About phone > IMEI information.

Note: For service and support, see Get more help.

Accessibility

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

Find it: Swipe up > Settings > Accessibility

For more information about your phone's accessibility features, visit www.motorola.com/accessibility.

Create a shortcut

Use a gesture to quickly activate an accessibility feature on your phone. For more information, swipe up > Settings > Accessibility > Volume key shortcut.

Tap Shortcut service and choose an app. When the shortcut is on, press both volume buttons for three seconds to start the app.

Make your phone speak

Select to speak

Find it: Swipe up > Settings > Accessibility > Select to Speak

Turn on, then tap 🎧 and press ⏯. Your phone reads the screen from top to bottom. To have your phone continue to read even if you move to another screen, tap Settings > Read in background to turn it off.

TalkBack

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

To turn TalkBack on or off, swipe up > Settings > Accessibility > TalkBack.

» Tap 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.

Text-to-speech output

To set the language, speech rate and pitch of the screen reader, swipe up > Settings > Accessibility > Text-to-speech output.
Braille
Combi ne your Braille display with TalkBack for braille and speech feedback.

1. Download the BrailleBack™ app on Google Play (swipe up > Play Store), and install it on your phone.
2. Swipe up > Settings > Accessibility > BrailleBack.
3. Turn on your Braille display and put it in Bluetooth pairing mode.
4. On your phone, swipe up > Settings > Bluetooth, then tap the switch at the top to turn it on and scan.
5. Tap the name of your Braille display to pair it with the phone.

Speak to your phone
Speak a command to turn on an accessibility feature. For example: “Ok, Google, turn on TalkBack”. For more on voice commands, see Speak.

Change your phone’s display

Display settings & magnification
Get a closer look.

- Change font size: Increase the font size on your screen. Swipe up > Settings > Accessibility > Font size. See also Customize sounds & appearance.
- Change display size: Make the items on the screen larger. Swipe up > Settings > Accessibility > Display size.
- Pinch to zoom: Pinch to zoom on maps, web pages, and photos—to zoom in, tap the screen with two fingers and then drag them apart. To zoom out, drag your fingers together. You can also double-tap to zoom in.
- Screen magnification: Triple-tap the screen for full screen magnification, or triple-tap and hold to temporarily magnify. Swipe up > Settings > Accessibility > Magnification.
- Display brightness: Swipe the status bar down, and drag the slider to set brightness level. Setting brightness to a high level decreases your phone’s battery life.
- Browser: Choose text size when browsing websites. Swipe up > Chrome > Menu > Settings > Accessibility. Select Force enable zoom to allow zooming on all web pages.

Messages
To make text entry even easier, use features like auto-capitalization, auto-correction, and more. Swipe up > Settings > System > Languages & input > Virtual keyboard > Gboard > Text correction. Or speak your message. Tap on the keyboard.

Change your phone’s sounds

Calls
When you want to hear who’s calling, assign a unique ringtone to a contact. Swipe up > Contacts, tap the contact, then tap Menu > Set ringtone.
To end a call by pressing the Power button, swipe up > Settings > Accessibility and tap Power button ends call.

Volume & vibrate

Find it: Swipe up > Settings > Sound
- Drag the volume sliders to set volume levels for your music or videos, alarms, and ringtones/notifications.
- To make your phone vibrate for incoming calls (even when the ringer is silent), tap Also vibrate for calls.
Tip: Feel a vibration when you tap the screen. Tap Advanced > Touch vibration to turn it on.

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

Note: Ratings are not a guarantee of compatibility (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 > Accessibility > Hearing aids.
- Call volume: During a call, press the side volume buttons to set a call volume that works for you.

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

TTY (U.S. only)
You can use your phone in TTY mode with standard teletype machines.

Note: Wi-Fi must be turned off.

Tap Phone > Menu > Settings > Accessibility > TTY mode and select the mode you need:

» TTY Full: Type and read text on your TTY device.
» TTY HCO: Type on your TTY device and listen to voice replies on your phone’s speaker.
» TTY VCO: Speak into your phone and read text replies on your TTY device.

Note: You’ll need a cable/adapter to connect your TTY device to the headset jack on your phone. Refer to your TTY device guide for mode and usage information.

Get more help
Get answers, updates, and info:

» Help is here: Swipe up 🖖 > 🤷 Moto Help to get walk-through tutorials, how-tos, or FAQs, right on your phone.

» Get more: Get software, FAQs, and more at www.motorola.com/mymotog.

» Join the conversation: Find us on YouTube, Facebook™, and Twitter.

Where is my legal, safety, & regulatory information?
In order to provide you with better access to this important information, we’ve made the materials accessible from the phone’s settings menu and on the web. Review these materials prior to using your device. To access the materials from a connected phone, go to Settings > System > Legal information, and select a topic. To access the materials on the web, visit www.motorola.com/device-legal.

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.

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222 W. Merchandise Mart Plaza
Chicago, IL 60654
www.motorola.com

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