
Temporary Confidentiality Requested

Exhibit 8: Draft User's Manual -- 47 CFR 2.1033(b)(3) and RSP100, Section 5.

The attached User's Manual is the final production-intended version of the generic Motorola International English User Manual. This guide will be adapted to carrier-specific versionsⁱ, but the key information herein will be retained. Translations into other languages will also be done to support the needs of other markets. Minor revisions may be made to these manuals, prior to and subsequent to, placing this product onto the market. Selected portions of the User Guide can be found as indicated below:

- | | |
|--|-----------------------|
| 8.1 Safety and Regulatory Section: | Page 67 |
| 8.2 Specific Absorption Rate (SAR) Data: | Page 5 and 69 |
| 8.3 Guidance for use with Hearing Aids
(Pursuant to 47 CFR 20.19(f)(1): | Page 29 and 72 |

ⁱ Motorola Mobility attests that the User's Guide provided with product shipping into Canada will provide any required Industry Canada notices and/or statements in both English and French, per the requirements of RSS-Gen.

Check it out

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

- **Watch:** Experience crisp, clear photos, movies, and videos on your 5.5" high-definition display. See **"Photos & videos"** on page 45.
- **Automate:** Optimize and customize your phone with the Motorola Experience. See **"Discover Your Moto apps"** on page 13.
- **Speed:** Browse and navigate at 4G LTE network speeds. See **"Browse"** on page 43 and **"Locate & navigate"** on page 51.
- **Connect:** Reach out and connect with Wi-Fi networks, Bluetooth® devices, or just by touching NFC phones. See **"Connect & transfer"** on page 52.

Tip: You don't need to carry this guide with you. You can view all of these topics in your phone—from the home screen tap Apps (⋮) → **?** **Help.**

Contents

At a glance	2
Start	4
Home screen & apps	9
Control & customize	17
Calls	28
Contacts	31
Messages	33
Type	37
Organize	39
Socialize	42
Browse	43
Photos & videos	45
Play Music	48
Play Books	49
Play Games	50
Locate & navigate	51
Connect & transfer	52
Protect	60
Want more?	62
Troubleshooting	63
Safety, Regulatory, & Legal	64

At a glance



First look

Your new XT1565 by Motorola has a big, bright, high-definition display and front facing stereo speakers. Its curved body fits in your hand.

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



Tips & tricks

- **Start:** The SIM card is pre-installed in your phone. Just power on, follow the screen prompts to set up your phone, then charge up when needed. See “**Start**” on page 4.
- **Top topics:** Just want a quick list of what your phone can do? See “**Top topics**” on page 3.
- **Help:** All your questions about your new phone answered right on *your phone*. Just tap  and tell your phone what you want help with. Or tap Apps  → **? Help**. Want even more? See “**Get help & more**” on page 62.

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

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 1.5 cm 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 safety, regulatory, and legal information provided with your product.

Top topics

Check out what your phone can do.

- Personalize your home screen: see “**Redecorate your home screen**” on page 21.
- Make a quick change: see “**Quick settings**” on page 22.
- Go online: see “**Browse**” on page 43.
- Explore: see “**Google Play™**” on page 8.
- Find apps: see “**Download apps**” on page 15.
- Be social: see “**Socialize**” on page 42.
- Play it safe: see “**Protect**” on page 60.
- Find it yourself: see “**Locate & navigate**” on page 51.
- Take a photo: see “**Take photos**” on page 46.
- Connect to Wi-Fi: see “**Wi-Fi Networks**” on page 54.
- Watch a movie: see “**Play Movies & TV**” on page 48.
- Protect your phone: see “**Screen lock**” on page 61.
- Watch interactive guided tutorials: see “**Help & more**” on page 10.
- Get all the help you need: see “**Get help & more**” on page 62.

Tips & tricks

- **Interactive:** To get started quickly, tap Apps (☰) → **?** **Help** for interactive tutorials.
- **Helpful:** To quickly change common phone settings, swipe the status bar down with two fingers. For even more settings, tap **⚙️**.

Start

Put in the cards & power on

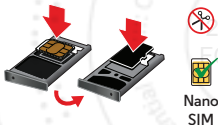
Your 4G nano SIM card is already installed in your phone. If you need to replace the SIM card or insert a microSD memory card, follow the instructions below.

Caution: Make sure you use the correct size SIM card, don't cut the SIM card, and don't use adapters with your SIM card.

1. Use the tool to pop out the SIM/memory card tray.



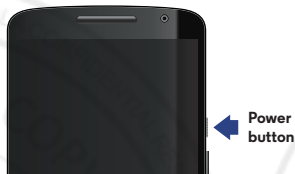
2. Put the nano SIM card in the tray with the gold contacts facing up. Turn the tray over to put in a microSD memory card.



3. Push the tray back into your phone.



To turn on your phone, press and hold the Power button until the screen turns on.



Use the Motorola Turbo Charger to charge up or top off your phone fast. Your phone shows the charge level as it charges.



Warning: Please use only an approved charging accessory to charge your phone. Improper handling of the charging port, as well as the use of an incompatible charger, may cause damage to your phone and void the warranty.

Tips & tricks

- **Power button:** To make the screen sleep or wake up, press the Power button. To turn your phone on or off, press and hold the Power button.
- **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 phone becomes unresponsive, try a reboot—press and hold the Power button until the screen goes dark and your phone restarts.

Battery life

Your phone 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 help improve battery life, tap Apps (☰) → ⚙️ **Settings** → **Battery** → Menu (☰) → **Battery saver**.

Tips & tricks

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

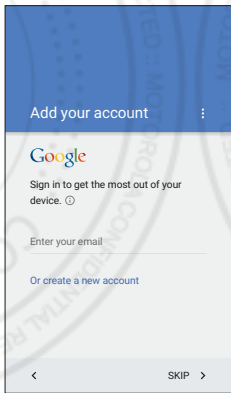
- Wi-Fi and Bluetooth® use: Tap Apps (☰) → ⚙️ **Settings** → **Wi-Fi** or **Bluetooth** and tap the switch at the top to turn them off when you don't need them.

- GPS use: Tap Apps (☰) → ⚙️ **Settings** → **Location** → **Mode** → **Battery saving** to turn off GPS tracking.
- Display brightness: Tap Apps (☰) → ⚙️ **Settings** → **Display** → **Brightness level** and drag the brightness slider left.
- 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** → **Accounts** 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.

Setup Wizard

After you power on, let the Setup Wizard walk you through the registration process. Just select your language and follow the screen prompts to get started.

If you use Gmail™, you already have a Google™ account—if not, you can create an account now. Signing into your Google account lets you use Google apps, see your contacts, appointments, photos, and more.



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

Tips & tricks

- **Wi-Fi network:** For faster Internet access or to conserve data use, swipe the status bar down with two fingers and tap **Wi-Fi**. There's more in "**Wi-Fi Networks**" on page 54.
- **Accounts:** To add, edit, or delete accounts, tap Apps (⋮) → **Settings** → **Accounts**. To set up email accounts, see "**Gmail**" on page 35 and "**Email**" on page 36.

For help with your Google account, visit www.google.com/accounts.

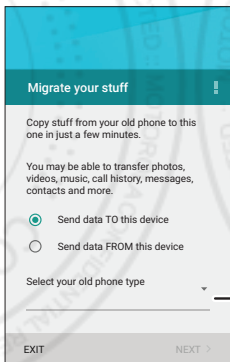
- **Contacts:** To get your contacts from your old phone, you have options. If your old phone was also Android™ and you used the Android Backup and Restore feature, your contacts automatically appear on your new phone. Otherwise, use the Motorola Migrate app in "**Old phone to new phone**" on page 7. Or, visit www.motorola.com/transfercontacts.

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.

Old phone to new phone

Copying your personal stuff from your old phone to your new phone with Motorola Migrate is easy.

- **From Android™:** On your old phone, download the Motorola Migrate app from Google Play™. Then on your new phone, tap Apps (⋮) → **Migrate** → **Android** to get started.
- **From iPhone or other phone:** On your new phone, tap Apps (⋮) → **Migrate** to get started.



Select your old phone type to get started.

Tips & tricks

- While you're migrating, you can keep using your phone.
- If you didn't migrate when setting up your new phone, you can always do it later.
- Signing into your Google account copies your apps if they are backed up to the cloud.
- For iPhones, you can migrate contacts and calendar events only from the iCloud.
- For phones that support copying music, not all music can be copied. (If you want to know more, you can search online to learn about digital rights management or DRM-protected files.)



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. It's 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.



Note: Content may not be available in all countries.

Tips & tricks

- **Download Android apps:** Tap Apps  →  **Play Store.**
- 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.
- Access all of your files **in the cloud:** Check out **"Your cloud"** on page 59.


Wireless charging

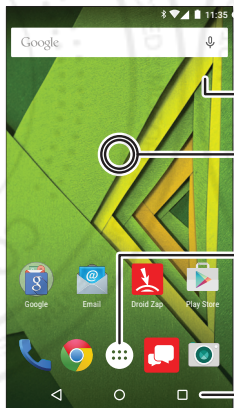
Charge your phone without wires. Just place it on an optional Qi charging pad accessory. Inductive charging coils in the phone receive electricity wirelessly from the charging pad.

For best results, follow the instructions on your phone to align the phone with the charging pad. Your phone shows battery charging status as it charges.


Home screen & apps

Quick start: Home screen & apps

You'll see the home screen when you turn on your phone or tap Home . From here you can explore apps, check notifications, speak commands, and more.



Swipe down with one finger for notifications, or with two fingers for profiles and settings.

Search by typing, or tap  for a voice search.

Touch and hold an empty spot to add widgets, change wallpaper, or adjust settings.




Tap Apps  to see all your apps.

 Back

 Home



 Overview

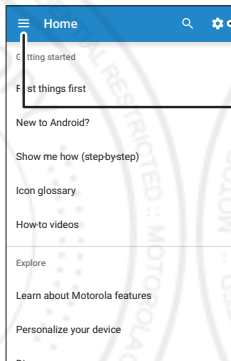
Tips & tricks

- **Return:** 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 white bar. You can add multiple pages. To see more pages of shortcuts and widgets (if available), swipe the home screen left.
- **Settings:** To quickly open settings, swipe the status bar down with two fingers and tap .
- **Uninstall:** To uninstall apps, tap Apps , touch and hold an app, then drag it to **Uninstall** (if available).
- **Customize:** For more about changing your home screen, see **“Redecorate your home screen”** on page 21.

Help & more

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


Find it: Apps  →  **Help**




Let us suggest a few changes for you.

Watch tutorials, read how-to's, and more.

Search

At the top of the home screen, tap the Google™ search box for a text search, or say your launch phrase or tap  to search by voice. See “**Moto Voice**” on page 13 for details.

As 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 touchscreen keyboard.

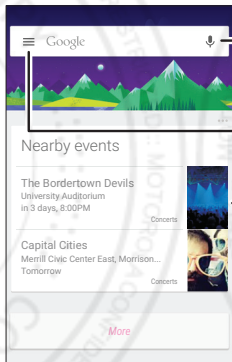
Tip: To close the keyboard, tap Back .


2015.06.16
FCC DRAFT

Google Now™

Google Now brings you just the right information at just the right time, before you even ask. Weather, traffic, transit schedules, even the latest scores come automatically, appearing throughout the day just as you need them.

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






Tap  to perform a task or ask Google a question.

Set reminders, customize or change settings.

Stuff that's important to you shows up here.

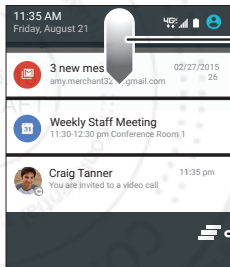
Tip: To remove a card, flick it to the left or right.

Tips:

- **Turn off Google Now:** Tap  → **Settings** → **Now cards**, then tap the **Show cards** switch to turn it off.
- **Reactivate Google Now:** Tap Apps  →  **Google** → **GET NOW CARDS**.

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, swipe the status bar down for details.













Swipe down to see settings and notifications.

Tip: To remove a notification, flick it to the left or right.

Tap to clear your notifications.


Tip: To quickly change common settings, swipe the status bar down with two fingers instead of one. For more, see **“Quick settings”** on page 22.

Icons on the right tell you about phone status:


 network strength	 no sounds
 Wi-Fi in range/connected	 vibrate
 Bluetooth® on/connected	 priority
 airplane mode	 alarm set
 battery charging/full	 warning

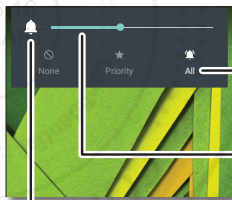
Note: Apps you download on Google Play™ Store might show other icons in the status bar to alert you to specific events.

Volume

Press the side volume buttons up or down to select a ringer volume from high to vibrate .

Tap an option under the volume slider to select which notifications and alarms you want to receive:

- **ALL:** Receive all notifications and alarms.
- **PRIORITY:** Tap  to select which interruptions to receive and more. You will always hear alarms. Set when you want to be in this mode, or choose indefinitely.
- **NONE:** Turn off all sounds and alarms. Override sound settings from other apps. Set how long to stay in this mode, or choose indefinitely.




Tap an option to set the notifications and alarms you want to hear.

Set volume by dragging the slider or pressing the side volume buttons.

Tap to switch between vibrate and ring.

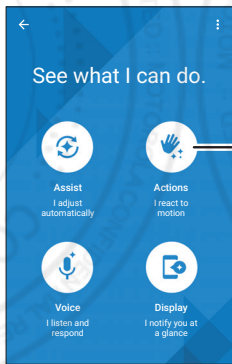
Discover Your Moto apps

Your phone knows whether you're in the car, in a meeting, or at home, and adapts to you. Your phone responds to your voice and hand gestures, and shows you notifications discreetly.

Tip: To adjust these features any time, tap Apps (⋮) →  **Moto.**

Moto Assist

Based on where you are and what you are doing, Moto Assist suggests ways to help you throughout your day. For example, it will ask you if it should keep your phone silent at night while you're sleeping or read text messages when you're driving.




Select a feature to learn more.

Moto Voice

Your phone is always ready for you. Use your voice to control your phone, even when it's not within reach.

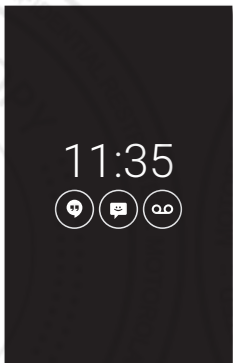
Note: When prompted to turn on the Moto Voice service in Accessibility settings, tap **Yes.**

- **Choose it:** Use the Moto app to set your launch phrase, like “OK Moto X.”
- **Use it:** Say your launch phrase, then **“What’s up?”** to hear notifications without unlocking your phone, or **“Voicemail”** to listen to messages. If you misplace your phone nearby, say **“Find my phone”** to make your phone ring.
- **Get help:** Tap Apps (⋮) →  **Help.** For more commands, say your launch phrase, then **“Help me.”**

Tip: You can use your voice to control apps like Facebook®, Whatsapp™, and YouTube™.

Moto Display

See messages, calls, and other notifications as they arrive. Even when your phone is asleep, information discreetly appears on the screen.





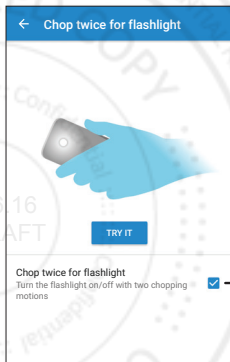
Touch and hold to see a preview. Drag up to open the message or down to unlock your phone.

Swipe left or right to open the other notifications.

Moto Actions

Launch the camera with two twists of your wrist, or turn the flashlight on and off with two chopping motions.

Tip: To review and adjust these actions, tap Apps (⋮) →  **Moto** →  → **Actions**.



Tap to disable the action.

Motorola Connect

Use the Motorola Connect app to set up, manage, and update Motorola smart devices that you connect to your XT1565 phone.

Find it: Apps  →  **Connect**




Motorola Connect also lets you connect your phone and computer through your Google account. See calls, contacts, and messaging info on your computer. Know who's calling before you reach for your phone. Send and receive text messages from your desk using a simple add-on to your desktop Chrome™ browser.

Download apps

Google Play™


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

Find it: Apps  →  **Play Store**

- **Find:** To search for apps, tap .
- **Download:** To download an app you found, tap it to see details and then tap **INSTALL**, or the price.
- **Share:** To share an app you found on Play Store, tap it to see details and then tap .
- **Reinstall:** To show or reinstall apps you downloaded from Play Store, tap  → **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 phone 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 .

Apps from the web

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**” on page 16.

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 to this information, cancel the installation.

To let your phone install apps that are not on Google Play, tap Apps  →  **Settings** → **Security**, then tap the **Unknown sources** switch to turn it on.

For information about downloading files from your browser, see “**Downloads**” on page 44.

Choose carefully

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

- To help prevent spyware, phishing, or viruses from affecting your phone or privacy, use apps from trusted sites, like Google Play Store.
- In Google Play Store, 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** (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 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 to select the **Reboot to safe mode** option. Your phone restarts with **Safe mode** in the lower left. Then, try removing the app.
- **Reinstall apps:** To reinstall apps from Google Play Store, tap Apps (☰) → 📺 **Play Store**, then tap ☰ → **My Apps**. The apps you downloaded are listed and available for download.
- **See 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 **Clear data**, **Clear cache**, or other options.
Tip: To quickly show app details, tap Apps (☰), 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 56.

Update your phone

Use your phone or computer to check, download, and install phone software updates:

- Using your phone:

If your phone 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 phone downloads updates over your Wi-Fi connection (if available) or mobile network. We recommend that you download updates over 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:

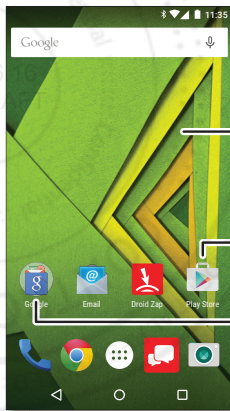
On your computer, go to www.motorola.com/update.

Control & customize

Quick start: Control & customize

Take control of your phone:

- **Voice control:** Say your launch phrase to control your phone by voice. See “**Moto Voice**” on page 13.
- **Customize your home screen:** To put widgets like a clock, interactive calendar, and more on your home screen, touch and hold an empty spot on the home screen.











Tap a widget to open it. Touch and hold to move, resize, or remove it.

Tap a shortcut to open. Touch and hold to move or delete.

Drag shortcuts on top of each other to make a group.

Tips & tricks

- **Speak:** Tap  in a search window, or  on a touchscreen keyboard.
- **Uninstall apps:** Tap Apps , touch and hold an app, drag it to **App info**, then tap **Uninstall**. (You can't remove some apps.)
- **Ringtone for a contact:** To set a personal ringtone for a contact, tap Apps  →  **Contacts**, tap the contact, then tap  → Menu  → **Set ringtone**.
- **Quick settings:** To change **Wi-Fi, Bluetooth, Airplane mode**, and other settings, swipe the status bar down with two fingers. For even more settings, tap .
- **Add a home screen page:** Drag an app icon to the right side of the home screen until you see a white bar. You can add multiple pages.

Controls and voice commands

Touch

Find your way around:

- **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.
- **Back:** Tap Back  to go to the previous screen.
- **Home:** Tap Home  to return to the home screen.
- **Overview:** Tap Overview  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.
- **Menus:** When  or  appears on a screen, you can tap it to open options for the current screen.
- **Close Keyboard:** To close a touchscreen keyboard, tap Back .
- **Reboot:** To reboot your phone, press and hold the Power button until the screen goes dark and your phone restarts.

Press

Power button

To turn off your phone, press and hold the Power button, then tap **Power off**.

To conserve battery power, prevent accidental touches, or when you want to wipe smudges off your touchscreen, put the touchscreen to sleep by pressing the Power button. To wake up the touchscreen, just press the Power button again.

Tip: To add more security to your phone, see **“Protect”** on page 60.

Volume buttons

Your volume buttons help in a few ways:

- **Ringer volume:** Press the buttons from the home screen to change ringer volume. Press them 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”** on page 12.



Speak


Just tell your phone what you want.



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


- **Dialing and commands:** Say your launch phrase to control your phone by voice. See **“Moto Voice”** on page 13 for details.

To dial, say “Call” followed by 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”).

- **Search:** Tap  in the home screen to search by voice, or say your launch phrase to speak your search.

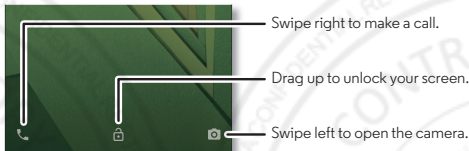
To change your voice input and text-to-speech settings, tap Apps  →  **Settings** → **Language & input**.

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

Tip: To make your phone read out loud, see **“TalkBack”** on page 23.



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 button.




- **Screen off & on:** Press the Power button 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 up. To use a pattern, PIN, or password to unlock your screen, tap Apps  → **Settings** → **Security** → **Screen lock** (see “Screen lock” on page 61).
- **Notifications:** Double tap a notification in the lock screen to open it. You'll be prompted to enter your passcode.








- **Owner info:** To add a message to your lock screen in case you lose your phone, 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**.

Customize your phone

Customize your phone's sounds and display settings:

- **Sound volumes:** Tap Apps  → **Settings** → **Sound & notification**, then drag the sliders to adjust media, alarm, ring, and notification volumes.
- **Ringtone and notifications:** To choose ringtones or notifications, tap Apps  → **Settings** → **Sound & notification**.
- **Vibrate or silent:** To make your phone vibrate for incoming calls, tap Apps  → **Settings** → **Sound & notification** → **Also vibrate for calls**. To turn off ringtones for incoming calls, tap Apps  → **Settings** → **Sound & notification** → **Phone ringtone** → **None**.
- **Ringtone for a contact:** To set a personal ringtone for a contact, tap Apps  → **Contacts**, tap the contact, then tap  → Menu  → **Set ringtone**.

- **Display settings:** To change brightness, animation, and other display settings, tap Apps (⋮) → ⚙️ **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 the status bar down with two fingers and tap **Auto-rotate** or **Portrait**.
- **Language and region:** To set your menu language and region, tap Apps (⋮) → ⚙️ **Settings** → **Language & input** → **Language**.

Redecorate your home screen

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

- **Change wallpaper:** Touch and hold an empty spot on the home screen, then tap **WALLPAPERS** to choose your wallpaper.
- **Add a home screen page:** Drag an app to the right side of the home screen until you see a white bar. You can add multiple pages.
- **Add shortcuts:** Tap Apps (⋮), touch and hold an app, then drag it to one of your home screen pages. To see all your apps, tap Apps (⋮).

Tip: To download apps, tap Apps (⋮) → 📺 **Play Store**.

- **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 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.

Tip: Some apps include widgets.

- **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.

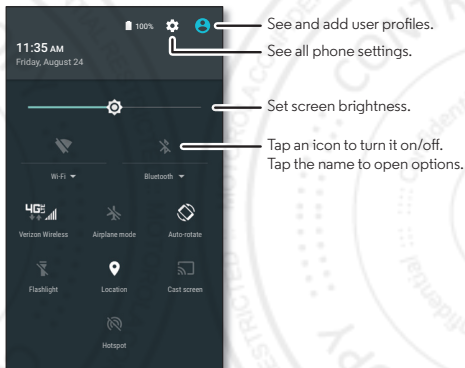
- **Move or delete widgets & shortcuts:** Touch and hold a widget or shortcut until you feel a vibration, then drag it to another spot, another page, or **Remove** at the top of the screen.

Note: Removing a shortcut from your home screen doesn't uninstall the app from your phone.

Quick settings

For quick access to **Wi-Fi, Bluetooth, Airplane mode**, brightness, and other settings, swipe the status bar down with two fingers. For even more settings, tap .

Note: Your quick settings may look a little different.




- **Quick settings shortcut:** To directly open the quick settings screen, swipe the status bar down with two fingers.
- **Bluetooth and Wi-Fi shortcuts:** To quickly turn Bluetooth or Wi-Fi power on and off, touch and hold the setting icon until you feel a vibration.


Profiles

You can share your phone with others by adding separate user profiles. Each user will have their own space on the phone for custom home screens, accounts, apps, settings, and more.

Add and switch users




Note: Only the phone's owner can add a user.

Swipe the status bar down with two fingers and tap Profile . Follow the prompts to add a new user.

To switch users, swipe the status bar down with two fingers and tap Profile . Tap a user name.

Note: For a temporary user, use the **Guest** profile. Guests won't have access to your personal information and can be easily removed.



Change or delete users

Touch Apps  →  **Settings** → **Users**, then tap  next to a user's name.



Screen pinning

You can pin an app to your home screen so that another person can only use that app on your phone. Screen pinning is a convenient way to let someone use a specific app while preserving the security of the other apps and data on your phone.

Activate screen pinning



Tap Apps  →  **Settings** → **Security** → **Screen pinning**, then tap the switch at the top to turn it on.

Pin an app screen

- 1 Open the app screen you want to pin.
- 2 Tap Overview  to see your recent apps.
- 3 Drag the last app title bar up to the middle of the screen.
- 4 Tap the pin button  in the lower right corner of the app.
- 5 Tap **START** to pin the app screen.

Tip: Each time you pin an app, you'll be asked to confirm the action. You'll also have to decide if you want to require a security code to unpin the app.

Unpin an app screen

Touch and hold both Back  and Overview  until you see the **Screen unpinning** message.


Accessibility

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

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



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

Voice recognition

Just tell your phone what you'd like to do—dial, browse, search, send a text, and more. Check it out—say your launch phrase to control your phone by voice or ask your phone a question (see “**Moto Voice**” on page 13 for details). Or, tap  at the top of the home screen for voice search.

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 the switch 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 phone speaks the name.
- **Dialer & text entry:** Start typing. Your phone speaks each number or letter.

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



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

To pause/resume TalkBack:

- Wave your hand over the proximity sensor at the top of the phone. 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 phone asks if you want to **Enable Explore by Touch?** Tap **OK** to turn it on.



Explore by Touch changes your phone'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 phone 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 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 phone 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 from Google Play™ Store (tap Apps  →  **Play Store**), and install it on your phone.
- 2 Tap Apps  →  **Settings** → **Accessibility** → **BrailleBack**.
- 3 Turn on your Braille display and put it in Bluetooth® pairing mode.
- 4 On your phone, tap Apps  →  **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.

Accessibility shortcut



Use simple gestures to quickly activate Talkback and other accessibility features on your phone. 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 Apps  →  **Contacts**, tap the contact, tap , then tap Menu  → **Set ringtone**.







Volume & vibrate

To set **volume** levels for your music or videos, ringtones, and alarms, tap Apps  →  **Settings** → **Sound & notification**, then drag the volume sliders.

To make your phone **vibrate** for incoming calls (even if the ringer is silent), tap Apps  →  **Settings** → **Sound & notification** → **Also vibrate for calls**.

Zoom

Get a closer look.

- **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.
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 phone—tap Apps  →  **Settings** → **Accessibility** → **Large text**.
- **Browser:** Choose text scaling and other accessibility settings for your browser—tap Apps  →  **Chrome** → Menu  → **Settings** → **Accessibility**.
Tip: Select **Force enable zoom** to allow zooming on all web pages.

Display brightness

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

Find it: Apps (☰) → ⚙️ **Settings** → **Display** → **Brightness**, and adjust the slider to set brightness level

Note: Setting brightness to a high level decreases your phone's battery life. To maximize battery life, tap Apps (☰) → ⚙️ **Settings** → **Display** → **Adaptive brightness** to let your phone automatically adjust brightness for the available light.


Touchscreen & keys

To hear or feel when you touch the screen, tap Apps (☰) → ⚙️ **Settings** → **Sound & notification** → **Other sounds:**

- **Touchscreen:** To hear a click when you touch something on the screen, select **Touch sounds**.
- **Keys:** To feel a vibration when you touch a screen keyboard key, select **Vibrate on touch**.
- **Screen lock:** To hear a click when you lock or unlock the screen, select **Screen locking sounds**.

Messages

To make text entry even easier, use features like auto-capitalization, auto-correction, and more—tap Apps (☰) → ⚙️ **Settings** → **Language & input** → **Google Keyboard** → **Preferences** or **Text correction**. Of course if you don't want


to type at all, then use your voice—tap  on the touchscreen keyboard.

Hearing aids

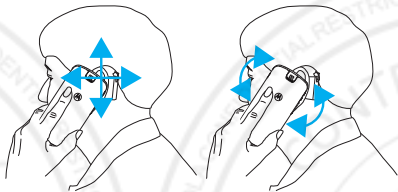
This device has been shown to be HAC compatible for CDMA, GSM, LTE, and UMTS. Hearing Aid Compatibility = M4/T3.

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** → **Call settings** → **Hearing aids**.
- **Call volume:** During a call, press the side volume buttons to set a call volume that works for you.

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





Apps

Want more? No problem. With over 1,000,000 apps to choose from, Google Play™ has something for everyone, and many apps provide useful accessibility features.

Find it: Apps  →  **Play Store**

TTY

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

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

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



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

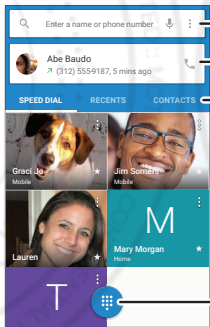
Calls

Quick start: Calls

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

Find it: Phone

- To call a contact or recent call, tap it.
- To open the dialpad, tap . Enter a number, then tap  to call it.



Search your contacts.

Tap to call the last call.

See all your contacts.

Open dialpad to dial a number.

During a call:







 Speaker

 Mute

 Dialpad


 Add caller



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 button.
- **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**.
- **People:** To search your contacts, tap **CONTACTS**.
- **Favorite contact:** Have someone you call all the time? 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 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**, to see your recent calls, favorites, and frequently-called contacts. Select a contact or number to call it.

To dial a number, tap , enter a number, then tap  to call it.



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


Note: You can make High-Definition Voice and Video calls with this phone when you add Advanced Calling to your line. Visit verizonwireless.com/AdvancedCalling to learn how.



- **Answer a call:** Touch  and drag to .

Note: When your phone is unlocked, tap  **ANSWER**.



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 button to ignore the call, or press a volume button to silence the ringer.

Note: When your phone is unlocked, tap  **DISMISS**.

- **Respond with a text:** To send a pre-set message to an incoming call, touch  and drag to . Select a message to immediately send it.

- **End a call:** Tap .

- **During a call:** Tap  **Mute** on the call screen to mute the call. To hide the call screen, tap Home . To reopen it, swipe the status bar down and tap **Ongoing call**.

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.

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.

Dial by voice

Say your launch phrase, then say "Call" followed by a contact name or phone number.




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")."

Note: To set up your launch phrase, see "**Moto Voice**" on page 13.

Recent calls



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


Find it:  **Phone** → **RECENTS**



- To return a call, tap the caller's name or number, then tap **CALL BACK**.
- 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 it, then tap **DETAILS** → .
- To clear the call history list, tap Menu  → **Call History**, then tap Menu  → **Clear call log**.



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 , enter a number, then tap  to call it.




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

Your phone number

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

Emergency calls

Note: 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, swipe  right and tap **EMERGENCY CALL**).
- 2 Enter the emergency number.
- 3 Tap  to call the emergency number.

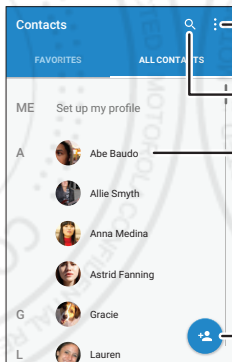
Note: Your phone can use location based services (GPS and AGPS) to help emergency services find you. See “Location Services” in your legal and safety information.

Contacts

Quick start: Contacts

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

Find it: Apps  →  **Contacts**







Sort contacts, change settings, accounts, and more.





Search your contacts.

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

Add a contact.

- **Create:** Tap .
- **Edit:** Tap a contact, then tap .
- **Delete:** Tap a contact, then tap  → Menu  → **Delete**.
- **Call, text, or email:** Tap a contact, then tap an option.

Tips & tricks

- **Search contacts:** From the home screen, tap the Google search box and enter a contact's name. In the **Contacts** list, tap .
- **Send contacts:** Tap a contact, then tap Menu  → **Share** to send it in a message or over a Bluetooth® connection.
- **Shortcuts:** Touch and hold an empty spot on the home screen, tap **WIDGETS**, 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 phone, tap Apps  →  **Settings** → **Accounts**, choose your Google account, then tap your account name to sync it if it has not been updated recently. 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: Apps  →  **Contacts** → 

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

Note: To import contacts or change where they're stored, see “**Get contacts**” on page 32.





Call, text, or email contacts


Find it: Apps  →  **Contacts**

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  →  **Contacts**, select a contact and tap ☆.
- To see your favorites, tap Apps  →  **Contacts** → **FAVORITES**.


Starred contacts also appear at the top of your **SPEED DIAL** list in the  **Phone** app.

Edit, delete, or hide contacts

Find it: Apps  →  **Contacts**



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

Contacts from social networks will be 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 **Contacts** 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** → **Accounts**, then tap **Add account**.
- To add your email contacts, see “**Gmail**” on page 35.

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 that didn't happen automatically), tap Apps (⋮) → **Contacts** → Menu (⋮) → **Import/export** → **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, tap Apps (⋮) → **Contacts** → Menu (⋮) → **Accounts** → Menu (⋮) → **Auto-sync 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, email, or Google Drive™:

Find it: Apps (⋮) → **Contacts**

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

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

My details

Find it: Apps (⋮) → **Contacts**




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

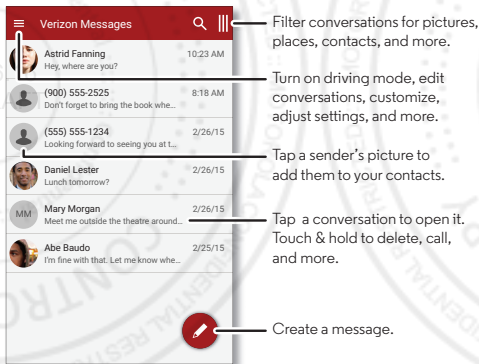
Messages

Quick start: Verizon Messages













Stay in touch with messages and pictures.

Find it:  **Message+**

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




Tips & tricks

- **Insert emojis:** Tap  to insert emojis or icons in your message.
- **Send a recorded message:** In the create message screen, touch and hold  to start recording. Speak your message, then release  to send the message.
- **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. To see the picture, tap Apps  →  **Gallery** → **Download**.
- **Voice entry:** Tap a text box, then tap  on the keyboard.
Tip: If you don't see  on the keyboard, tap Apps 
→  **Settings** → **Language & input** → **Google Keyboard**
→ **Preferences** → **Voice input key** to activate voice entry.
- **Filter conversations:** Touch  at the top right and swipe left to see all your shared media. Filter your conversations to see photos and videos, locations, links, contacts, or audio files.
- **Text your best friend:** Use a widget to text your favorite contact quickly. Touch and hold an empty spot on the home screen, tap **WIDGETS**, touch and hold the **Direct message** widget to drag it to your home screen, then select the contact.
- **Message alert:** To show new message notifications in the status bar, tap  **Message+** →  → **Settings**, and check **Notifications**.

Read, reply, forward & delete text messages

Find it:  **Message+**

- **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 Message**.
- **Delete:** Touch and hold a conversation, then tap **Delete Conversation**. Or, open the conversation, touch and hold one message, then tap **Delete messages**.
- **Settings:** Tap  at the top left, then tap **Settings** to change your notifications and other options.

Set your default messaging app

You can use Verizon Message+, Messaging, or Google Hangouts™ to send and receive your text messages.

To set  **Message+**,  **Messaging**, or  **Hangouts** as your default messaging app:

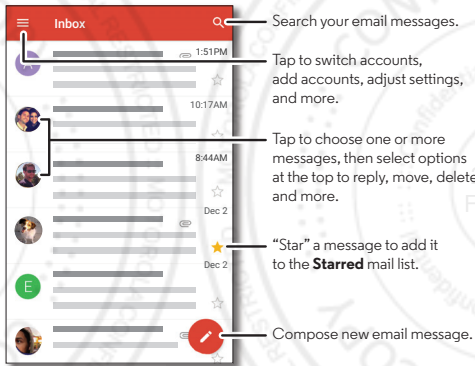
Find it: Apps  →  **Settings** → **More** → **Default SMS app**

For more about Google Hangouts, see “**Chat using Google Hangouts™**” on page 36.

Gmail

The Gmail™ app lets you send and receive email from all of your email accounts (even if they're not Google Gmail or Google for Work accounts). You can manage all of your accounts in Gmail and easily switch between them.



Find it: Apps (⋮) → **M Gmail**













- **Add Google 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 **M Gmail** app for one account. To add more Google accounts, tap Apps (⋮) → **Settings** → **Accounts**, then tap **Add account** → **Google**.
- **Add personal email accounts:** To add other personal email accounts to the Gmail app, tap Apps (⋮) → **Settings** → **Accounts** → **Add account** → **Personal (IMAP)** or **Personal (POP3)**.
- **Add a Microsoft® Exchange email account:** For Microsoft Exchange server work email accounts, tap Apps (⋮) → **Settings** → **Accounts** → **Add account** → **Exchange**, and enter details from your IT administrator.
- **Change account settings:** To change the settings for a Gmail or email account, tap Apps (⋮) → **M Gmail** → **Settings**, then tap the account name.
- **Delete accounts:** Tap Apps (⋮) → **Settings** → **Accounts** → **Google** or **Personal (IMAP)** or **Personal (POP3)**, tap the account name, then tap Menu (☰) → **Remove account**.

Email

You can use the Email app to send and receive email on your personal and corporate email accounts.



Find it: Apps  →  **Email**

- **Add personal email accounts:** Tap Apps  →  **Settings** → **Accounts** → **Add account** → **Email**.
- **Add corporate email accounts:** For Microsoft® Exchange server work email accounts, tap Apps  →  **Settings** → **Accounts** → **Add account** → **Corporate**, and enter details from your IT administrator.
- **Change account settings:** Tap Apps  →  **Email** →  → **Settings**, then tap the account name.
- **Delete accounts:** Tap Apps  →  **Settings** → **Accounts** → **Email**, tap the account name, then tap Menu  → **Remove account**.

Chat using Google Hangouts™

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

Find it: Apps  →  **Hangouts**

- **Start a new hangout:** Tap **+** (or swipe left), then tap a name in your list of friends. You can send a text message, or tap  to make a 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.

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 (☰) → ⚙️ **Settings** → **More** → **Emergency broadcasts**. 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/.

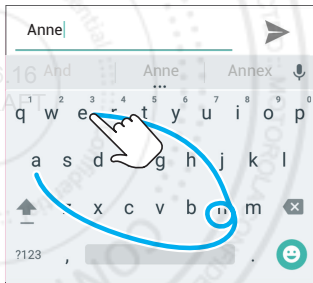


Type

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 touching 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 .

- **Double letters:** Circle a letter to enter two of them.
- **Capital letters:** Tap  or drag it to the letter you want to capitalize.
- **Special characters:** Touch and hold a letter to choose from other special characters.
- **Word prediction:** 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. You can speak as long as you like, pause whenever you want, and dictate punctuation to create correct sentences.

- **Vibrate:** Don't like the vibrating keys when you type? Tap Apps  →  **Settings** → **Language & input** → **Google Keyboard** → **Preferences** to turn this and other keyboard features on/off.

Text entry settings & dictionary

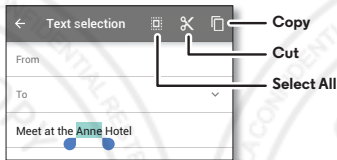
Choose your keyboard style and edit the dictionary of words your phone suggests:

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

- To choose your touchscreen keyboard, tap **Current Keyboard** → **CHOOSE KEYBOARDS**. To allow voice entry from the keyboard, tap **Google voice typing**.
- To change keyboard settings, tap **Google Keyboard**. You can change languages, appearance and layouts, text correction, and more.
- To add or edit the words that your phone suggests and recognizes, tap **Google Keyboard** → **Text correction** → **Personal dictionary**.

Cut, copy & paste

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



- 1 To highlight a word, touch and hold it.
To highlight more words, drag the selector arrow at the edge of the highlight.
- 2 Tap icons at the top 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.

Organize

Clock

Find it: Apps → **Clock** →

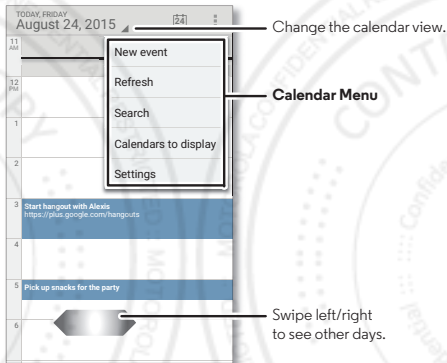
- **Alarm:** Tap . Tap an alarm to edit it, or tap to add a new alarm.
When an alarm sounds, touch and drag to to turn it off, or drag to to snooze for ten minutes.
- **Settings:** To change your alarm sound, snooze delay, or other settings, tap Menu → **Settings**.
- **Timer:** For a timer, tap .
- **Stopwatch:** For a stopwatch, tap .
- **World clock:** For other time zones, tap .




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

Calendar



See all your events, all in one place.

Find it: Apps  → **31 Calendar**



- **Change the view:** Tap the month at the top to choose a date to view. Or tap Menu  to choose **Day**, **5 Day**, or **Schedule**.
- **Go to today's date:** Tap  at the top.
- **Add events:** Tap , enter event details, then tap **SAVE**.



Tip: Alternatively, tap a time on the calendar and tap **New event** to enter event details.

- **Show, edit, or delete events:** Tap an event to open it, then tap . Tap a field to edit it, or tap **DELETE** to remove the event.
- **Show, hide, or add calendars:** Tap  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. Touch and hold an empty spot on the home screen, tap **WIDGETS**, then touch and hold the **Calendar** widget and drag it to your home screen.



Corporate sync

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

- To add your Microsoft Exchange account, see **"Email"** on page 36.
- To choose what to sync from your Microsoft Exchange account, tap Apps  →  **Settings** → **Accounts** → **Corporate**, tap your account, then check options like **Email**, **Contacts**, or **Calendar**.


Google™ Docs

You can view, create, edit, and make copies of Google Docs, Microsoft Word files, and other text documents on your phone.

Find it: Apps  →  **Docs**

Tap a document name to open it:

- Place your cursor by touching the text. The keyboard appears so you can type or edit text.
- Select text by double-tapping it. Editing options appear that let you cut, copy, or paste text.
- Use edit tools at the top of the screen to format text and paragraphs. Tap **+** at the top to insert a table in the document.
- The changes you make are automatically saved to your Google Doc file.

Tap Menu  next to a document name to rename, copy, share, print, or delete the document.



For more information, tap  → **Help & Feedback**.

Office network



To connect your office network with a Virtual Private Network connection, see **“Virtual Private Networks (VPN)”** on page 60.

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.

Find it: Apps  →  **Drive**

Print

To print your photos, documents, and more from your phone, check if your printer's manufacture has an app on Google Play Store. Then tap Apps  →  **Settings** → **Printing** to get started.

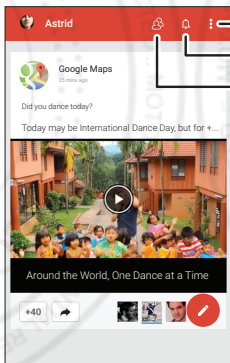
You can also send your photos, docs, and more to any Android device in your cloud or to Google Drive. Just download the Cloud Print app from Google.

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: Apps  →  **Google+**






Open options.

See notifications.

See & find friends.

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

Tips & tricks

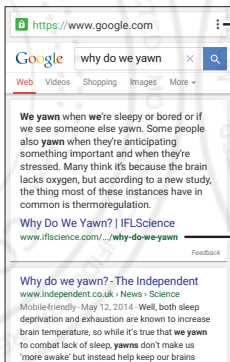
- **Upload photos:** Tap Apps  →  **Gallery** and tap a photo or video. Choose  → **Google+** and select your account.
- **Add a widget:** Use a widget to quickly read your Google+ posts. Touch and hold an empty spot on the home screen, tap **WIDGETS**, then touch and hold the **Google+ Posts** widget 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.

Browse

Quick start: Chrome™

Find it: Apps (⋮) → Chrome

- **Go to a web page:** Tap the address bar at the top of a page and enter an address.
- **Add a bookmark:** Open the address bar (drag down if you don't see it), then tap Menu (⋮) → ★.
- **Open a bookmark:** Open the address bar, then tap Menu (⋮) → **Bookmarks**.



See options.

Tap a link to open it. Touch and hold for more options.

Tips & tricks

- **Web page shortcut:** To add a web page shortcut to your home screen, go to the web page and tap Menu (⋮) → **Add to homescreen**.
- **Internet search 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, tap Menu (⋮) → ↻.
- **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, tap Menu (⋮) → **Help & feedback** or visit www.support.google.com/chrome.



Web connection

To access the web, your phone 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 54.



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 phone and personal data, download apps only on Google Play™.













To download a file, picture, or web page, 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 phone updates, see “**Download apps**” on page 15 or “**Update your phone**” on page 17.

Safe surfing & searching

Keep track of what your browser and searches show:

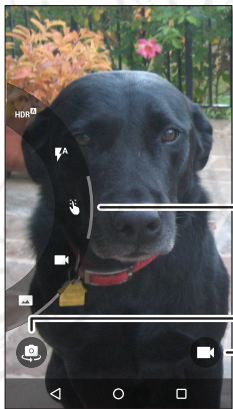
- **Incognito:** To open a tab that won't appear in your browser or search history, tap Apps  →  **Chrome** → Menu  → **New Incognito tab**.
- **Clear history:** To clear your browser history and other saved information, tap Apps  →  **Chrome** → Menu  → **History** → **CLEAR BROWSING DATA**.
- **Auto complete:** 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.
- **Pop-ups:** To stop pop-up windows from opening, tap Apps  →  **Chrome** → Menu  → **Settings** → **Site settings** → **Pop-ups**, then tap the switch to turn it off.

Photos & videos

Quick start: Photos & videos

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

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



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

Swipe right for effects and settings.

Switch to front camera.

Switch to video camera.

Tips & tricks

- **Quick Capture:** Tap **Camera**, swipe the screen right and tap to turn Quick Capture on or off. When Quick Capture is on, twist your wrist twice to open the camera.
- **Take a selfie:** Tap in the camera screen, or twist your wrist to switch to the front camera.
- **Record a video:** Tap in the camera screen to temporarily switch to the video camera and start recording. Then tap to 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 camera screen left. Pick a photo or video. Tap to share, or Menu for more options like **Delete**, **Crop**, or **Print**.
- **Change settings:** To open camera options, swipe the camera screen right. Rotate the dial to see more options.
- **Zoom:** Drag the camera screen up or down with one finger.
- **Multi-shot:** When you're ready, touch and hold the camera screen to take a burst of photos.
- **Panorama:** To take a panoramic shot, swipe the camera screen right to open settings, then tap . Use the on-screen guide to slowly pan your phone.
- **Edit or crop:** To edit a photo, tap to select it, then tap .
- **Print:** Want to print your photos? Check out "**Print**" on page 41.

Take photos


Find it:  **Camera**


Tap anywhere on the camera screen to take the photo.

Tip: You can also press the volume buttons to take a photo.

Record videos

Find it:  **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, play with these camera options.



Tip: To open camera options, swipe the camera screen right.

Options	
 HDR	Turn on HDR (high dynamic range) effect for better pictures in challenging lighting situations.
 Flash	Set On , Off , or Auto .
 Control focus & exposure	Drag the bracket anywhere on the screen to set focus and exposure.

Options	
 Video	Set video recording mode to HD (1080p) or SloMo (slow motion video).
 Panorama	Take a wide-angle shot. Use the on-screen guide to slowly pan while you are taking the photo.
 Timer	Set a timer to delay the shutter release for three seconds or 10 seconds after you tap the screen.
 Geo-Tag	Tag your photos with a location.
 Storage	Set photo storage location to Phone or SD card .
 Resolution	Set resolution to Widescreen (16:9, 3.7MP) or Standard (4:3, 5MP).
 Shutter sound	Turn the shutter click on or off.
 Quick Draw	Catch it fast. When your phone is asleep, twist your wrist twice, quickly, to open the camera anytime.

View, share, & use photos & videos

Find it: Apps  →  **Gallery**


- **Play, share, or delete:** Tap a thumbnail to open it, the tap  to share, or Menu  for more options like **Delete**, **Crop**, or **Print**.


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 phone sideways for a widescreen view.

- **Wallpaper or contact**

photo: Open a picture, then tap Menu  → **Set picture as**.

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

- **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 52.



Create a highlight reel

Your phone automatically creates a highlight reel of selected pictures and video clips. It even sets it to music.



You can customize a highlight reel by choosing different photos, videos, or music, and even change the reel length.

- **Create:** Tap Apps  →  **Gallery** → **Albums**, tap  at the top left, then tap **Highlights**. Tap the date, then tap  at the top to see the highlight reel preview.
- **Edit:** Tap **Add title** to name it. Then tap **MORE OPTIONS** to change the length, select different photos, and add music. When you're done, tap **SAVE HIGHLIGHT REEL**.
- **Share:** Tap **Share** after you've saved it. Or, select a previously made reel from your gallery and tap .

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 phone, you can share it with your friends.

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

To see the screen capture, tap Apps  →  **Gallery** → **Albums** → **Screenshot**.

Play Movies & TV

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

Find it: 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: Apps   **YouTube**

Play Music

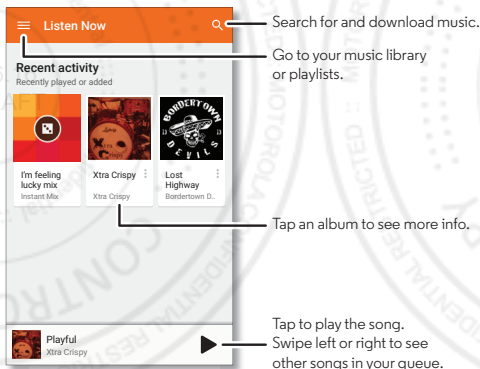
Quick start: Music

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




Find it: Apps   **Play Music**

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

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



Tips & tricks



- **Volume:** Press the volume buttons.
- **Hide the music player:** To use another app while your music plays, tap Home . To return to the music player, swipe 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. (If you don't see the Shop option, tap the upper left of the screen first.)
- **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:** Swipe the status bar down with two fingers and tap **Airplane mode**  to turn off all your network and wireless connections and listen to music during a flight.
- **File types:** Your phone can play MP3, M4A, AAC, AAC+, MIDI, and WAV files.

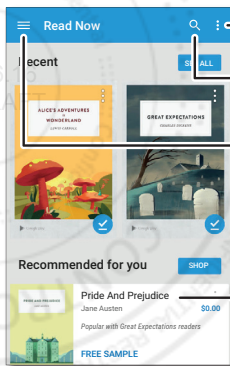
Note: Copyright—do you have the right? Always follow the rules. See **“Content Copyright”** in your legal and safety information.

Play Books

Quick start: Books

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

Find it: Apps  →  **Play Books**






Refresh reading list.


Search for & download books.

Go to your library or shop for books.

Tap a book to see more info.

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 is added to your library.

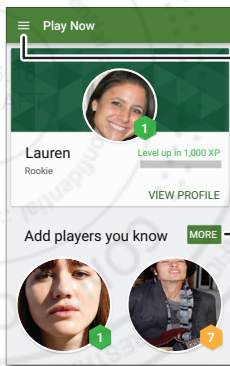
- **Magazines & more:** Tap Apps  →  **Play Newsstand**.

Play Games

Quick start: Games

Download and play the latest fun games.



Find it: Apps  →  **Play Games** → **Play Now**



Go to your games, search for and download games.

Find friends to challenge.



Tips & tricks

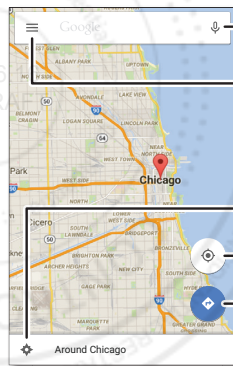
- **Find your games:** Tap  → **My Games** and choose a game, or tap **Explore games**.
- **Challenge friends:** You can play against people in your Google+™ circles. Tap  → **Players** and choose a person, or tap **Search for friends**.

Locate & navigate

Quick start: Locate & navigate

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

Find it: Apps  →  **Maps**



Search by voice for an address or location.



See places, map views, settings, help, and more.

Find nearby food, drinks, and attractions.

See your current location.

Get directions and navigation instructions.

Tips & tricks

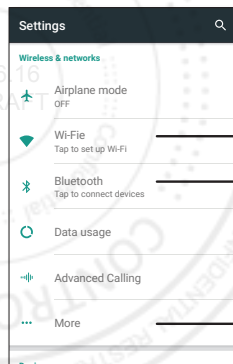
- **Find an address:** In the search field, enter an address or something you're looking for, like "restaurant." The map moves to show the address or local suggestions. Tap the address info at the bottom for more details.
- **Get directions:** Tap , then enter a place or address.
- **Save an address:** Tap the address info at the bottom of the screen and then tap **SAVE**. To see your saved places, swipe the map screen right and tap **Your places**.
- **Find nearby food, drinks, and attractions:** Tap  → **Explore nearby**.
- **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.
- **Share a location:** Tap a location, then tap the address and tap **Share**.
- **Identify address:** Touch and hold a spot on the map to show the nearest address.
- **Get map help:** Swipe the map to the right and tap **Help**.

Connect & transfer

Quick start: Connect & transfer

Connect accessories, computers, networks, and more.

Find it: Apps  →  **Settings**



Change Wi-Fi settings.

Change Bluetooth settings.

Set default SMS app, turn on NFC, portable Wi-Fi hotspot, and more.

Tips & tricks


- **Quick settings:** Get to the most used settings quickly. Swipe the status bar down with two fingers. See “**Quick settings**” on page 22.
- **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 phone a hotspot, tap **More** → **Tethering & portable hotspot**, then tap the **Mobile Hotspot** switch to turn it on. To set hotspot security, tap **Mobile Hotspot settings** → **Configure Mobile Hotspot**.
- **USB cable:** Your phone’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 on, your phone automatically reconnects to available devices or networks it has used before.
- **Airplane mode:** Need to shut down wireless connections quickly? Swipe the status bar down with two fingers and tap **Airplane mode** ✈️.
- **Print:** Want to print your photos, docs, or other things? Check out “**Print**” on page 41.

Bluetooth® wireless

Turn Bluetooth power on/off

Find it: Apps (⋮) → **Settings** → **Bluetooth**, then tap the switch at the top to turn it on

Tip: To quick turn Bluetooth on or off, swipe the status bar down with two fingers and tap **Bluetooth**.


When Bluetooth is turned on, the Bluetooth status indicator  appears in the status bar.


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 Tap Apps (⋮) → **Settings** → **Bluetooth**.
- 3 Make sure the power switch at the top is turned on.
- 4 Tap a found device to connect it (if necessary, tap **Pair** or enter a passkey like **0000**).

Tip: Tap  next to the device to rename it.

When the device connects, the Bluetooth connected indicator  appears in the status bar.

To automatically **disconnect** or **reconnect** a device anytime, 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.

Manage devices

To manually reconnect your phone with a paired device, tap the device name in the list.

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





To remove a paired device, tap  next to the device name, then tap **FORGET**.

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

Let devices find your phone

To let a Bluetooth device discover your phone, tap the Bluetooth switch on your phone to turn it on.

Transfer files

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

Wi-Fi Networks

Turn Wi-Fi power on/off

Find it: Apps  →  **Settings** → **Wi-Fi**, then tap the switch at the top to turn it on

Tip: To extend battery life, turn Wi-Fi off 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 phone's MAC address and Wi-Fi settings, tap Menu  → **Advanced**.

2 Make sure the Wi-Fi power switch at the top is turned on.

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

When your phone connects, the Wi-Fi status indicator  appears 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.

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

Wi-Fi hotspot

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

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

Find it: Apps (☰) → ⚙️ **Settings** → **More** → **Tethering & portable hotspot**, then tap the **Mobile Hotspot** switch to turn it on

1 Your phone turns off **Wi-Fi** power and uses the mobile network for internet access. Tap **Configure Mobile 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 PSK**. For **WPA2**, enter a unique password that others will need to access your Wi-Fi hotspot.

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

- **Password:** Create a password with at least eight characters.
- **Broadcast Channel:** If you notice interference after your hotspot has been active for a while, try different channels.
- **Client (DHCP) start address**

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 phone 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**” in the safety, regulatory, and legal information provided with your product.

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 (if necessary), tap Apps (☰) → ⚙️ **Settings** → **Storage** → Menu (☰) → **USB computer connection**.

Note: Make sure to connect the phone 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®: 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.

- 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 phone's mobile network—you just need a USB cable.

Tip: To share a Wi-Fi connection, see “**Wi-Fi hotspot**” on page 55.

- 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™ OS X, it might require special configuration.

- 2 On your phone, tap Apps  → **Settings** → **Wi-Fi**, then make sure the **Wi-Fi** power switch is turned off.
- 3 In **Settings**, tap **More** → **Tethering & Mobile Hotspot**, then tap the **USB tethering** switch to turn it on and start the connection.

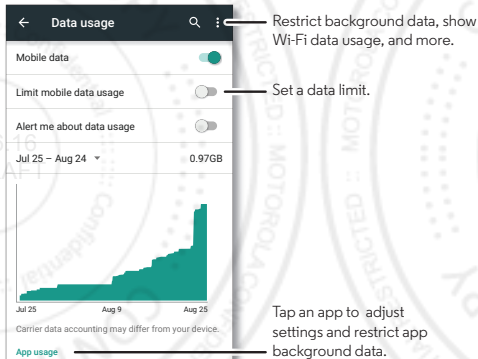
To stop the connection, tap the **USB tethering** switch to turn it off, then disconnect your phone from your computer.

Data use

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

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

Your phone shows a data usage graph. Below the graph, apps are listed from highest to least data usage. 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**.

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.

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 phone to another NFC-enabled device.

Find it: Apps (⋮) → ⚙️ **Settings**
→ **More** → **NFC**

Share with Android Beam™

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

Note: The other device must support NFC, too.

1 Open the screen that contains the map page or browser page you want to share.



2 Touch the back of your phone to the back of the other device.

When the devices connect, you'll see **Touch to Beam** on your phone.

3 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 areas. Just touch the back of your phone to the logo to receive its tag information.

Bluetooth & Wi-Fi one-touch setup

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

Mobile payment

You can use any secure payment app to pay for your purchase (where available).

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



Security

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

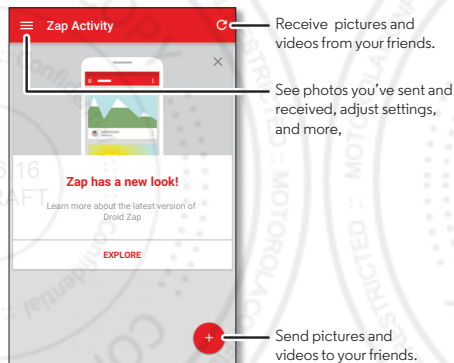
- **Range:** NFC only works over a short range (about 4 cm/1.5 inches), so it's unlikely you'll connect by mistake—if you did, you would still have to accept the connection to send or receive information.
- **Encryption:** Your phone uses the latest security, encryption, and authentication features to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

Droid Zap


Easily share pictures and videos with people around you by using a two-finger swipe.

Find it: Tap Apps  →  **Droid Zap**

Follow the setup screens and select your Google™ account to get started.






Zap it

From the  Gallery: Select the picture or video you want to share. Then place two fingers on the picture and swipe up to send it. Don't forget to tell your friends that you're sending.

From  Droid Zap: Tap  → **Zap Activity**, then tap  to choose up to ten pictures you want to send.

Receive Zaps

From the home screen: When your friends tell you they've sent a picture, place two fingers on an empty space on your home screen and swipe down to receive it.

From  Droid Zap: Tap  → **Zap Activity**, then tap  to receive all active zaps.

Wireless display

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

Find it: Tap Apps  →  **Settings** → **Display** → **Cast screen**



Your phone scans for compatible wireless display devices. Select a device to show your phone'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.

Your 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, tap Apps  →  **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**” on page 54.
- **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**” on page 55.
- **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 “**Bluetooth® wireless**” on page 53.



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 your service provider for help.

To see network settings options, tap Apps  →  **Settings** → **More** → **Cellular networks**.

Airplane mode

Use airplane mode to turn off all your wireless connections—useful when flying. Swipe the status bar down with two fingers 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.

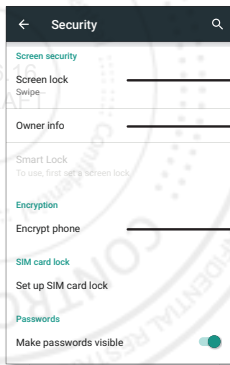
Protect

Quick start: Protect your phone

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

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

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



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


Add some info to show on your lock screen.

Encrypt the data stored on your phone.

Screen lock

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

Find it: Apps (☰) → ⚙️ **Settings** → **Security** → **Screen lock**, then 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.

To change when your touchscreen goes to sleep, tap Apps (☰) → ⚙️ **Settings** → **Display** → **Sleep**.

Note: You can make emergency calls on a locked phone (see “**Emergency calls**” on page 30). A locked phone still rings, **but you need to unlock it to answer.**

Can't unlock?

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

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

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

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, tap Apps (☰) → ⚙️ **Settings** → **Security** → **Encrypt phone**.

Backup & restore

Find it: Apps (☰) → ⚙️ **Settings** → **Backup & reset**, then tap the **Back up my data** switch to turn it on

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 choose what syncs with the account, tap Apps (☰) → ⚙️ **Settings** → **Google**, tap your Google account, and check things to sync.

Note: Text messages, call logs, and items stored on your phone will not be restored. To restore your Google Play™ Store apps, see “**Take care of your apps**” on page 16.

Reset









To reset your phone to factory settings and erase all the data on your phone, tap Apps  →  **Settings** → **Backup & reset** → **Factory data reset**.

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


Want more?

Get help & more

Get answers, updates, and info:

- **Help is here:** Tap Apps  →  **Help** for walk-through tutorials, how-to's, FAQs, videos, and more, right on your phone.
- **Everything DROID XXX:** Get PC software, user's guides, and more at www.motorola.com/mydroidXXX.
- **Accessories:** Get accessories for your phone at www.motorola.com/mobility.
- **Get Apps:** Tap Apps  →  **Play Store** to buy and download apps.
- **News:** Here's how to find us:
 -  YouTube™ www.youtube.com/motorola
 -  Facebook® www.facebook.com/motorola
 -  Twitter www.twitter.com/motorola
 -  Google+™ www.google.com/+Motorola/posts

Tips & tricks

- **Google™ help:** In almost 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 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.

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: For your safety, the battery in your mobile device should only be removed by a Motorola approved service center or independent qualified professional. (See your warranty for restrictions.)

- 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 mobile device. Attempting to take apart or fix your device may damage the battery and may cause burning and injury.
- Don't crush, bend, or expose your mobile device to heat or liquid. This may damage the battery and may cause burning and injury.

Battery Charging

Charge your Motorola mobile device using a compatible Motorola charger, another brand class 2 Limited Power Source USB charger that complies with USB 1.1 or 2.0 and complies with EN301489-34, EN60950-1 or equivalent, or a high-power USB port on a PC. Chargers that do not comply with these standards may be unsafe, and may cause slow charging, product damage, or reduced device performance.

- Your mobile device will not charge if the temperature is too high or low.
- Only use Motorola-approved batteries, which contain safety circuitry and are designed to give the best performance in your Motorola mobile device.

Driving Precautions

Responsible and safe driving is your primary responsibility when driving a vehicle. Always obey local laws and regulations.

Seizures, Blackouts, Eyestrain, & Discomfort

Prolonged use of any device may cause discomfort in hands, fingers, arms, neck, and other parts of your body, and may cause eyestrain and headaches. It is good practice to use your device in a safe area with comfortable ambient lighting, and take frequent breaks if you feel discomfort. Seek medical advice if symptoms persist.

In rare cases, flashing patterns or lights, for example in video games or movies, may cause seizures or blackouts. If you suffer any seizures or blackouts, or have a history of seizures, stop using your device and seek medical advice.

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.



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 and accessories, 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. If the 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.

Allergens

Motorola Mobility avoids using known allergens in our products. From time to time, trace amounts of an allergen may be added during manufacture of a mobile device or device component that could cause discomfort for some individuals. This approach is common for many types of products. We recommend that you monitor any products that may be in prolonged contact with your skin, and remove them if you experience skin irritation.

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 any available connectors, compartments and removable 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.

Symbol	Definition
	Listening at high volume to music or voice through a headset or headphone may damage your hearing.
	Only use your charger indoors.

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 device normally at your ear when talking on it.
- When using the mobile device next to your body (other than in your hand or against your head), maintain a distance of 1.5 cm (3/4 inch) from your body to be consistent with how the mobile device is tested for compliance with RF exposure requirements.
- If you use your mobile device with a non-Motorola accessory case or holder, make sure the accessory maintains the required separation distance and has no metallic parts.

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, or other medical device, 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.

Electronic Label

Your mobile device may use an electronic label that provides some regulatory information about the device. To see the electronic label, tap Apps → **Settings** → **About phone** → **Regulatory information**.

Specific Absorption Rate (FCC & IC)

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

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

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

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

Head SAR	CDMA 1900 MHz, Wi-Fi, Bluetooth	1.14 W/kg
Body-worn SAR	LTE 1700 MHz, Wi-Fi, Bluetooth	1.38 W/kg

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

If you are interested in further reducing your RF exposure then you can easily do so by limiting your usage or simply using a hands-free kit to keep the device away from the head and body.

Additional information can be found at www.motorola.com/rfhealth (in English only).

European Union Directives Conformance Statement

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

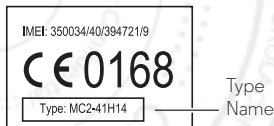


Hereby, Motorola declares that this product is in compliance with:

- 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/ac (as defined in your product information): Outside the United States, this device is restricted to indoor use when operating in the 5.15 to 5.25 GHz (802.11a/ac) Wi-Fi frequency band.

The following gives an example of a typical Type name:



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 Type name from your product's label in the "Search" bar on the website.

Regulatory authorities within the EU may obtain compliance information by writing to: Product Safety and Compliance, Motorola Mobility UK Ltd., Redwood, Crockford Lane, Chineham Business Park, Basingstoke, RG24 8WQ, UNITED KINGDOM.

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.

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 8.4. This device complies with ICES-003 requirements for Class B ITE (Information Technology Equipment). *CAN/ICES-3 (B)/NMB-3(B)*

For products that support Wi-Fi 802.11a/ac (as defined in your product information): Do not use your device outdoors while connected to an 802.11a/ac Wi-Fi network, or when using Mobile Hotspot or Wi-Fi Direct features in the 5 GHz band. Industry Canada prohibits outdoor use of Wi-Fi devices between 5.15 and 5.25 GHz, as this may cause interference with the Mobile Satellite Service (MSS).

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 call 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 a 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.

This product is RoHS compliant.

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.

Battery Recycling

Motorola Mobility participates in the Call2Recycle program. Rechargeable batteries from Motorola products (such as lithium ion batteries) can be recycled free of charge at any of the Call2Recycle's more than 30,000 drop-off locations in the US and Canada. To learn more about the Call2Recycle program and locate a battery recycling location near you, call 1-800-822-8837 toll free or visit <http://www.call2recycle.org/>



Hearing Aid Compatibility in the US

In the US, specific hearing aid compatibility (HAC) performance ratings can help clarify how certain wireless phones and hearing aids may perform together. HAC compliant wireless phones are capable of working with hearing aids that have a minimal immunity rating of at least 2. The immunity rating indicates how susceptible a hearing aid is to picking up interference from a digital wireless phone. It can rate the performance of the hearing aid for either microphone and/or telecoil coupling. Some hearing aids are more immune than others to this interference noise, and phones also vary in the amount of interference they generate. The US performance rating system for HAC compliant wireless phones is as follows:

The “M” (microphone) indicates that the product has been tested and rated for acoustic coupling. The “T” (telecoil) represents that the product has been tested and rated for inductive coupling. The higher the “M” or “T” rating, the less likely the hearing aid user will experience interference when the hearing aid is set to the respective microphone or telecoil mode. The highest values to date are 3 and 4 (e.g., “M4” or “M3/T3”).

To determine if a product is rated for HAC, please look for the HAC rating or logo on the phone’s packaging. For a list of current HAC models, visit www.motorola.com/hacphones.

Results will vary depending on the user’s hearing aid and hearing loss. If your hearing aid happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs. To couple the device to your telecoil equipped hearing aid, switch your hearing aid to the “T” or telecoil setting. Then, enable the ‘Hearing Aid’ mode feature on your Motorola phone with the following sequence: Apps → **Phone** → **Menu** → **Settings** → **Calls** → **Hearing aids**.

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



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

To obtain a copy of any source code being made publicly available by Motorola related to software used in this Motorola mobile device, go to developer.motorola.com (in English only).

Motorola has created the developer.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 device, 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.

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 GLOBAL LIMITED WARRANTY MOBILE PHONES

What does this Limited Warranty cover?

Motorola Mobility LLC, or its subsidiaries, ("**Motorola**") warrants to the original consumer purchaser ("**you**") that the Mobile Phone accompanying this warranty, and any in-box accessories which accompany it (the "**Products**"), will be free of substantial defects in material and workmanship for a period of 12 months from the date of original consumer purchase ("**Warranty Period**") provided that the Products are used for normal consumer purposes. Repairs made by Motorola or its authorized agent under this Limited Warranty ("**Warranty Service**") are covered for the balance of the original Warranty Period, or 90 days from the date of Warranty Service, whichever is longer. This Limited Warranty covers only a purchase of new Products from Motorola or an authorized reseller or authorized distributor of Motorola Products which are accompanied in-box by this written Limited Warranty. This Limited Warranty is personal to you and not transferable. No retailer or other third party is authorized to make any representations on behalf of Motorola or to modify this Limited Warranty.

Additional warranty coverage for those Products that contain the ShatterShield™ Display System: The ShatterShield™ display system is made up of 3 separate components; the display, embedded lens, and a consumer-replaceable protective lens. The display and embedded lens are warranted against shattering and cracking for four (4) years from the original date of consumer purchase. The consumer-replaceable protective lens is not covered by this Limited Warranty, but should always be in place to prevent scratches and other damage to the underlying components. All other limitations and exclusions contained in this Limited Warranty (see "**What is not covered**" section below), including scratches and other cosmetic damage, intentional damage or abuse, and normal wear and tear, apply to the components of the ShatterShield™ display system.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS THAT VARY BY STATE, PROVINCE OR COUNTRY. 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. FOR A FULL UNDERSTANDING OF YOUR RIGHTS YOU SHOULD CONSULT THE LAWS OF YOUR COUNTRY, PROVINCE OR STATE.

What will we do if you make a claim under this Limited Warranty?

If you make a valid claim under this Limited Warranty, Motorola will, at its discretion, either (1) repair the Product using new, used, or reconditioned replacement parts; or (2) replace the Product with a new or "like new" reconditioned Product that is the same or similar to the warranted Product; or (3) refund the purchase price. Repaired or replaced products will be returned to you in their original factory configuration, plus any applicable software updates, which may affect use and/or compatibility with third party applications (for which Motorola shall have no liability). Any refunded or replaced Product shall become the property of Motorola. To obtain service under this Limited Warranty, the claim should be made in the country where the Product was intended for sale; otherwise repair services are limited to the options available in the country where the service is requested.

What is not covered?

This Limited Warranty does not cover the following unless they occurred because of a defect in materials or workmanship:

- (a) Normal wear and tear due to the normal aging of the Product, including parts that are expected to deteriorate over time, such as batteries, lens liners, or protective coatings.
- (b) Cosmetic damage, including scratches, dents, and cracks to the Products.
- (c) Damage caused by the use of non-Motorola branded or approved products, accessories or software.
- (d) Damage caused beyond the reasonable control of Motorola, including damage caused by (i) accident, abuse, misuse; (ii) operating a Product outside its permitted or intended uses as defined in the Products' User Manual, Quick Start Guide, Online Tutorials, and other documentation provided to you, including use of the Products for commercial purposes; (iii) improper care and handling (e.g. subjecting the Product to extreme temperatures), abuse or neglect (e.g. broken or bent connectors, ports, or SIM/SD card slots); impact damage (e.g. dropping the Product); (iv) contact with liquids, water, rain, extreme humidity, unusually heavy perspiration or other moisture; sand, food, dirt or similar substances (except for Products sold as resistant to such substances), but then only to the extent the damage was not caused by incorrectly securing the phone's protective elements (e.g. failing to properly close a seal), or such protective elements are damaged or missing (e.g. a cracked back cover), or subjecting a Product to conditions beyond its stated specifications or limits (e.g. IPx7, 30 minutes in 1 meter of fresh water); or (v) flood, fire, earthquake, tornado or other acts of God not within Motorola's reasonable control.
- (e) Unauthorized service. Defects or damage resulting from someone other than Motorola or a Motorola authorized service center servicing, testing, adjusting, installing, maintaining, altering, or tampering with the Products.
- (f) Products that have been modified in any manner without the written permission of Motorola, including Products (i) with serial numbers or other manufacturer codes that have

been removed, altered or obliterated; (ii) with mismatched or duplicated serial numbers; (iii) with broken seals or other evidence of tampering; or (iv) which have been modified to alter functionality or capability, or show evidence of attempts to modify them.

- **WARNING AGAINST UNLOCKING THE BOOTLOADER OR ALTERING A PRODUCT'S OPERATING SYSTEM SOFTWARE: 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 MAY PERMANENTLY DAMAGE YOUR PRODUCT, CAUSE IT TO BE UNSAFE AND/OR MALFUNCTION AND ANY DAMAGE THAT IS CAUSED THEREFROM WILL, UNLESS OTHERWISE STATED BY MOTOROLA, NOT BE COVERED BY THIS LIMITED WARRANTY.**
- **IMPORTANT: IT IS ILLEGAL TO USE THIS PRODUCT IF IT CEASES TO COMPLY WITH THE GOVERNMENT AUTHORIZATIONS THAT APPROVED ITS RELEASE. THEREFORE, YOU MUST NOT MAKE CHANGES TO THE PRODUCT AFFECTING ITS EMISSION, MODULATION, TRANSMISSION CHARACTERISTICS, INCLUDING POWER LEVELS, OPERATING FREQUENCIES AND BANDWIDTHS, SAR LEVELS, DUTY-CYCLE, TRANSMISSION MODES AND THE INTENDED METHOD OF THE PRODUCT.**
- (g) Defects, damages, or the failure of the Product due to any third party communication service or network you subscribe to or use with the Product.
- (h) Software, either embedded in, downloaded to, or accompanied with the Products.
- **TO THE EXTENT PERMITTED BY APPLICABLE LAW, MOTOROLA SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT. ALL WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS, AND MOTOROLA DOES NOT WARRANT THAT THE OPERATION OF ANY PRODUCTS OR SOFTWARE COVERED UNDER THIS LIMITED WARRANTY WILL MEET YOUR REQUIREMENTS, WORK IN COMBINATION WITH ANY HARDWARE OR SOFTWARE APPLICATIONS OR THIRD PARTY SERVICES, BE UNINTERRUPTED, ERROR-FREE, OR WITHOUT RISK TO, OR LOSS OF, ANY INFORMATION, DATA, SOFTWARE OR APPLICATIONS CONTAINED THEREIN, OR THAT DEFECTS IN THE PRODUCTS OR SOFTWARE WILL BE CORRECTED. WHERE SUCH STATUTORY OR IMPLIED WARRANTIES CANNOT LAWFULLY BE DISCLAIMED, THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THE EXPRESS LIMITED WARRANTY CONTAINED HEREIN AND THE REMEDIES OF REPAIR, REPLACEMENT, OR REFUND AS DETERMINED BY MOTOROLA IN ITS SOLE DISCRETION SHALL BE THE EXCLUSIVE REMEDY OF THE CONSUMER. NO ORAL OR WRITTEN REPRESENTATIONS MADE BY MOTOROLA OR ANY SELLER, RESELLER OR DISTRIBUTOR OF THE PRODUCTS, INCLUDING EMPLOYEES AND AGENTS THEREOF, SHALL CREATE ANY ADDITIONAL WARRANTY OBLIGATIONS, INCREASE**

THE SCOPE, OR OTHERWISE MODIFY IN ANY MANNER THE TERMS OF THIS LIMITED WARRANTY.

- TO THE EXTENT PERMITTED BY APPLICABLE LAW, MOTOROLA SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY, WHETHER IN CONTRACT, TORT OR UNDER OTHER LEGAL THEORY (INCLUDING NEGLIGENCE), FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCTS, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS; LOSS OF BUSINESS; BUSINESS INTERRUPTION; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, OR CORRUPTION OF INFORMATION, DATA, SOFTWARE OR APPLICATIONS (INCLUDING ANY COSTS ASSOCIATED WITH RECOVERING, PROGRAMMING, OR REPRODUCING ANY INFORMATION, DATA, SOFTWARE OR APPLICATIONS STORED ON OR USED WITH MOTOROLA PRODUCTS, OR ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF ANY INFORMATION OR DATA STORED ON THE PRODUCTS); OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR SERVICES PROVIDED UNDER THIS LIMITED WARRANTY. BY MAKING A CLAIM UNDER THIS LIMITED WARRANTY YOU ACKNOWLEDGE THAT YOU UNDERSTAND THAT.
- SOME STATES OR JURISDICTIONS DO NOT ALLOW THE LIMITATION OR EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR THE EXCLUSION OR LIMITATION ON THE LENGTH OF AN IMPLIED WARRANTY, OR THE LIMITATION OR EXCLUSION OF DAMAGES FOR PERSONAL INJURIES CAUSED BY NEGLIGENCE, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE OR JURISDICTION.

My Product needs service, what should I do?

1. Before attempting to diagnose or repair any Product, please backup all software, applications, and other data, including contacts, photos, music, games, which will be erased during the repair process and cannot be reinstalled by Motorola and Motorola shall have no liability therefore.
2. Review the online Motorola customer support website at www.motorola.com for troubleshooting information.
3. If the Product is still not functioning properly after you have followed troubleshooting instructions suggested on this website, please contact Motorola using the contact details provided on the customer support page of www.motorola.com.

4. If your Product is covered by this Limited Warranty, you may be required to download, or otherwise obtain and accept software updates. You are responsible for any third party data costs incurred when obtaining the downloads.

Before we can provide any further support under this Limited Warranty you must first comply with the warranty processes outlined above, and any repair instructions provided by Motorola.

5. If the software update does not fix the problem, you will receive instructions on how and where to ship the Product for evaluation. You must supply: (i) proof of purchase; (ii) a written description of the problem; (iii) the name of your mobile network service provider, if applicable; and (iv) your home and email address and telephone number. Motorola reserves the right to charge you for the cost of shipping the Product to and from the authorized service center.
6. If the Product is not covered by this Limited Warranty (and you do not have any other statutory rights in your place of residence), Motorola will inform you of the availability, price, and other conditions applicable to such out-of-warranty repair of the Product.

Arbitration and Opt-Out

Any controversy or claim arising out of or relating to any Motorola product will be resolved by binding arbitration, instead of in court, unless you opt-out as explained below. The arbitration will take place in a location determined by the arbitrator as set forth in these terms (provided that such location is reasonably convenient for claimant), or a different location as may be mutually agreed upon by the parties. The arbitration will be conducted under the rules for commercial disputes set forth in the Comprehensive Arbitration Rules and Procedures of JAMS ("JAMS Rules and Procedures"). Judgment upon the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The arbitrator shall be selected pursuant to the JAMS Rules and Procedures. The arbitrator will apply Illinois law consistent with the Federal Arbitration Act and applicable statutes of limitations, and shall honor claims of privilege recognized at law. In the event that the claimant is able to demonstrate that the costs of arbitration will be prohibitive as compared to the costs of litigation, Motorola will pay as much of the claimant's filing and hearing fees in connection with the arbitration as the arbitrator deems necessary to prevent the arbitration from being cost-prohibitive.

If any part of this arbitration provision is deemed to be invalid, unenforceable or illegal (other than that claims will not be arbitrated on a class or representative basis), or otherwise conflicts with the rules and procedures established by JAMS, then the balance of this arbitration provision shall remain in effect and shall be construed in accordance with its terms as if the invalid, unenforceable, illegal or conflicting provision were not contained herein. If, however, the portion that is deemed invalid, unenforceable or illegal is that claims will not be arbitrated on a class or representative basis, then the entirety of this arbitration provision shall be null and void, and neither claimant nor Motorola shall be entitled to arbitrate their dispute. Upon filing a demand for arbitration, all parties to the arbitration will have the right of

discovery, which discovery shall be completed within sixty days after the demand for arbitration is made, unless further extended by mutual agreement of the parties.

THE ARBITRATION OF DISPUTES PURSUANT TO THIS AGREEMENT SHALL BE IN YOUR INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY PURPORTED CLASS OR REPRESENTATIVE PROCEEDING. THE ARBITRATOR MAY NOT CONSOLIDATE OR JOIN THE CLAIMS OF OTHER PERSONS OR PARTIES WHO MAY BE SIMILARLY SITUATED.

Your right to reject: If you do not want this Arbitration provision to apply, you may reject it by sending a written rejection notice which describes this Arbitration provision, includes your name, address, phone number, device, and device serial number, and tells Motorola that you are rejecting this Arbitration provision to: Motorola Mobility LLC, 222 West Merchandise Mart Plaza, Suite 1800, Attn: Arbitration Provision Opt-Out, Chicago, IL 60654 or arbitrat@motorola.com. A rejection notice is only effective if it is signed and Motorola receives the notice within 30 days of purchase. If you do not reject this Arbitration provision within this 30 day time period, you will not be able to reject it at a later date. If you reject this provision, it does not affect your ability to use your Motorola product. If you do not reject this Arbitration provision, it will be effective as of the date of purchase.

Copyright & Trademarks

Motorola Mobility LLC
222 W. Merchandise Mart Plaza
16th Floor
Chicago, IL 60654

www.motorola.com

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

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

Note: The images in this guide are examples only.

MOTOROLA and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC. Android, Google and other trademarks are owned by Google Inc. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License. All other product or service names are the property of their respective owners.

© 2015 Motorola Mobility LLC. All rights reserved.

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

Product ID: DROID XXX by Motorola (Model XT1565)

Manual Number: 68017898001-A



motorola.com

