

LOCATE & NAVIGATE

where you are, where you're going

LOCATE & NAVIGATE

QUICK START: LOCATE & NAVIGATE

GOOGLE LOCAL™

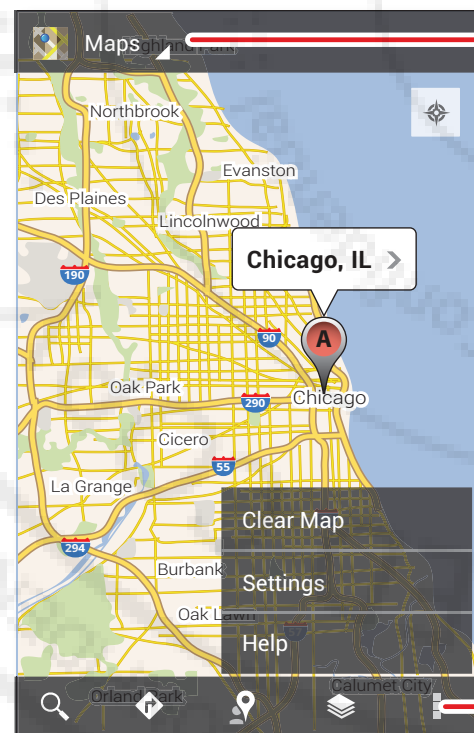
GOOGLE MAPS WITH NAVIGATION™ BETA

GOOGLE LATITUDE™

QUICK START: LOCATE & NAVIGATE

Find an address, find a place, see what's close by, get directions or full navigation, and so much more—all with the Google Maps™ you know and love.

Find it: Apps > **Maps**



Open **Navigation, Latitude,** history, and more.

- Search**
- Directions**
- Local**
- Layers**
- Menu**

TIPS & TRICKS

- **Find an address:** Enter the address in the search box at the top. The map moves to show the address.
- **Get directions:** Find an address on the map, touch it, then touch .
- **Save an address:** Touch the address, then touch the star by its name. To show your starred places, touch **Maps** and choose **My Places**. Touch a star to remove it.
- **Zoom:** To zoom in or out, drag two fingers together or apart on the screen.
- **Turn and tilt:** Rotate two fingers on map to turn it or drag down/up to tilt.
- **Send your location:** To tell others where you are, touch your location on the map, touch the **My Location** bubble, then choose **Send location to others**.
- **Find nearby businesses or attractions:** Touch at the bottom.
- **Identify address:** Touch and hold a spot on the map to show the nearest address.
- **Get map help:** Touch Menu > **Help**.





LOCATE & NAVIGATE



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QUICK START: LOCATE & NAVIGATE

GOOGLE LOCAL™

GOOGLE MAPS WITH NAVIGATION™ BETA

GOOGLE LATITUDE™

GOOGLE LOCAL™

Google Local lets you find the restaurants, cafes, bars, and attractions that are close to you:

Find it: Apps  >  **Local**


Tip: In **Maps**, just touch  at the bottom.



GOOGLE MAPS WITH NAVIGATION™ BETA

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

Find it: Apps  >  **Navigation**

Speak, type, or select your destination. **Navigation** shows a map and starts telling you directions.

Tip: To add to your **STARRED** places, open Google Maps™, find an address, then touch the  next to it.

To **Exit navigation** or see other options, touch  at the bottom. Touch  to show gas stations and other points along the way.



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



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





GOOGLE LATITUDE™

Google Latitude lets you see where your friends and family are on Google Maps™. Plan to meet up, check that they got home safely, or just stay in touch. Don't worry,

your location is not shared unless you agree to it. After you join Google Latitude, you can invite your friends to view your location, or accept their invitations.

To join Google Latitude, touch Apps  >  **Maps**, touch **Maps** at the top, then choose **Join Latitude**.

To use Google Latitude after you join, touch Apps  >  **Latitude**:

- To **add** friends, touch .
Touch **Select from Contacts** or **Add via email address**. Your friend will receive an email notice.
- To **remove** friends, touch  next to their name.
- To **share** your location when you receive a request, you can choose **Accept and share back** (show your location and see theirs), **Accept, but hide my location** (hide your location, but see theirs), or **Don't accept** (hide both locations).
- To **hide** your location, touch Menu  > **Location Settings** > **Location reporting** > **Do not update your location**.
- To **sign out**, touch Menu  > **Location Settings** > **Sign out of Latitude**.



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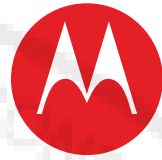
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WORK

get it done anytime



WORK

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QUICK START: WORK

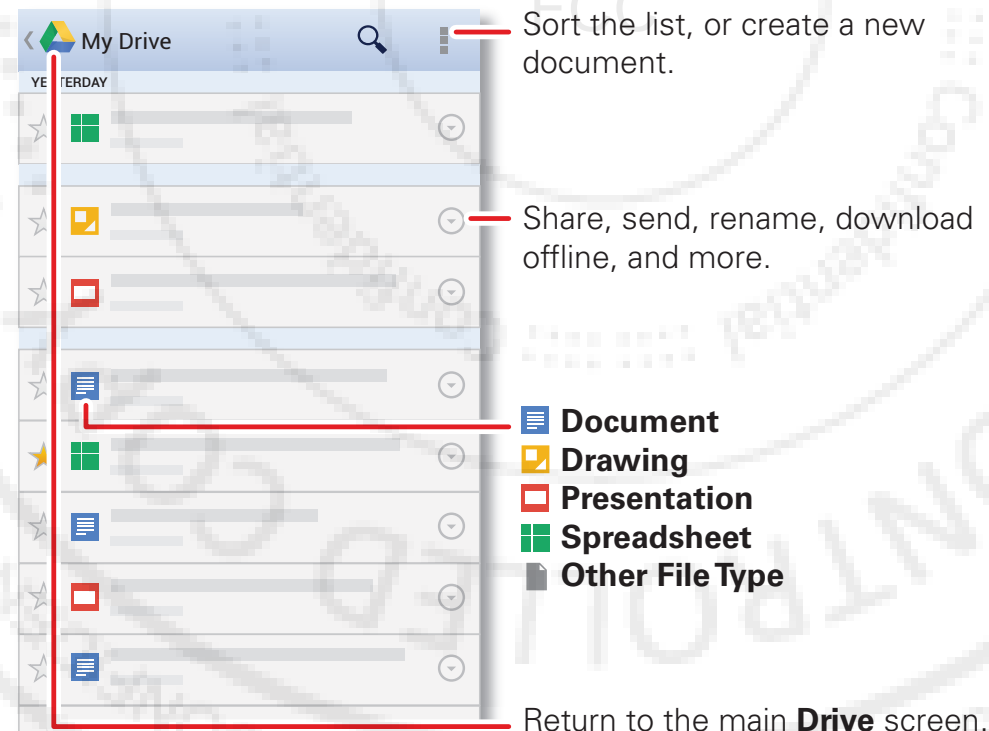
Google Drive™ lets you create documents on the web, to share with any computer, phone, or smart phone.

Find it: Apps > **Drive** > **My Drive**

If you don't have **Drive**, you can download it for free: Touch Apps > **Play Store** and search on Google Drive.

TIPS & TRICKS

- **Create:** To create a new doc, touch Menu > **New**.
- **Share:** Touch next to a document in your list to share it, make it available offline, and more.
- **Import:** On your computer, access your docs at www.drive.google.com. There, you can create or upload documents from your computer.
- **Help:** For help or more information on Google Drive, visit www.google.com/support/drive.
- **Accelerate:** Use a dock or Bluetooth™ keyboard and mouse when you want to make your phone more like a laptop computer. To connect them, turn them on and touch Apps > **Settings** > **Bluetooth**. To disconnect them, turn them off. For more, see "**BLUETOOTH™ WIRELESS**".



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CORPORATE SYNC

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

- To add your **Corporate** account, see “**EMAIL**”.
- To choose what to sync from your **Corporate** account, touch Apps > **Settings** > **Accounts & sync**, touch your account, then choose options like **Calendar**, **Contacts**, or **Email**.

QUICKOFFICE

Use **Quickoffice** to view and edit files.

Find it: Apps > **Quickoffice**

Touch a file or folder to open, or touch and hold a file for options. You can edit most text or spreadsheet files:

- Place your cursor by touching the text.
- Select text by double-tapping it.
- Open a keyboard, choose formatting, save the file, or choose other options by touching Menu .

TASKS

Turn your to-do list into groups of tasks, share tasks, and set reminders:

Find it: Apps > **Tasks**

To add a task, touch .

From the tasks main screen, touch **All tasks** to view your tasks by due date, priority, and more.

Tip: To add a tasks widget to your home screen, touch Apps , touch **WIDGETS** at the top, then touch and hold the **Tasks** widget to drag it to your home screen.

OFFICE NETWORK

To connect your office network with a Virtual Private Network connection, see “**VIRTUAL PRIVATE NETWORKS (VPN)**”.

ALARM & TIMER

Find it: Apps > **Clock**

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

When an alarm sounds, touch **Dismiss** to turn it off or **Snooze** to delay for ten minutes.

- **Settings:** To change your alarm sound, snooze delay, or other settings, touch .
- **Timer:** Touch **TIMER** at the top, touch and to set a duration, then touch **Start** to start counting down.

Tip: Touch the timer numbers to open a keypad.

Tip: To set your date, time, time zone, and formats, touch Apps > **Settings** > **Date & time**.



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CALENDAR

Show events stored on your phone and in your online calendars, all together in one place.

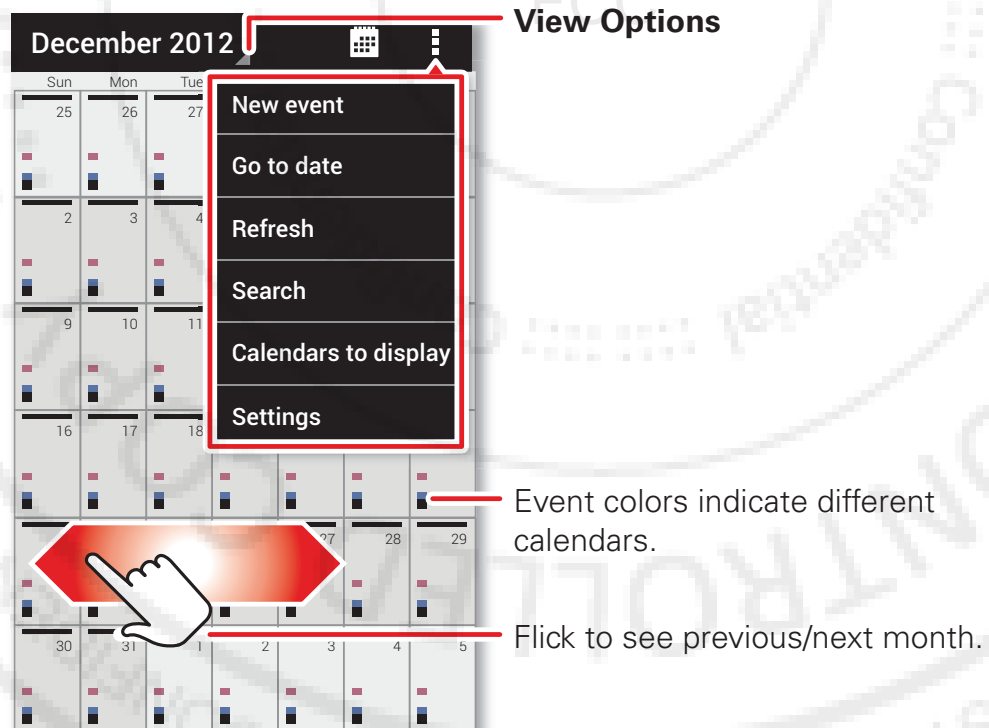
Find it: Apps > Calendar

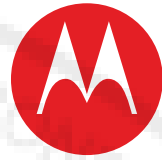
- **Change the view:** Touch the date at the top left to choose **Day, Week, Month, or Agenda**.
To set your default view, touch Menu > **Settings** > **General settings** > **Default view**.
To go to a date, touch Menu > **Go to date**.

- **Add events:** From any view, touch Menu > **New event**, enter event details, then touch **SAVE**.
- **Show, edit, or delete events:** Touch an event to open it, then touch edit or delete .
- **Show, hide, or add calendars:** Touch Menu > **Calendars to display** to show or hide calendars from your Google™ account. You can use a computer to add or remove calendars on your Google account at www.google.com/calendar.

Where are events stored and changed? Your phone can store your events in your Google account or on your phone: Touch Menu > **Settings** > **General settings** > **Default calendar**.

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





CONNECT & TRANSFER

wired up or wireless



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NFC

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DLNA™ MEDIA DEVICES

MOTOPRINT REMOTE PRINTING

VIRTUAL PRIVATE NETWORKS (VPN)

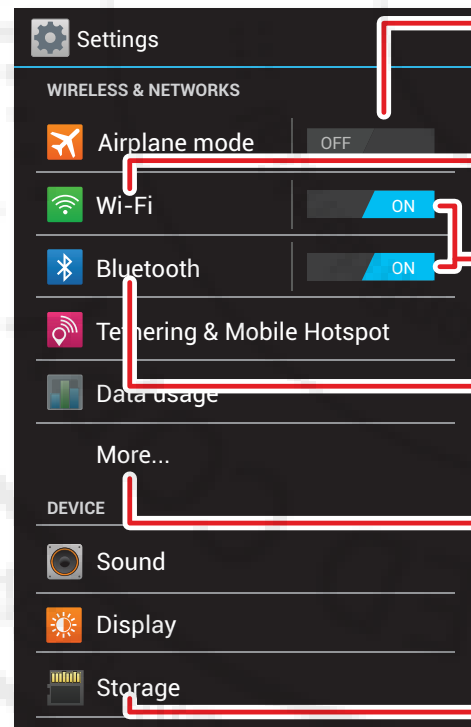
MOBILE NETWORK

AIRPLANE MODE

QUICK START: CONNECT & TRANSFER

Connect accessories, computers, networks, and more.

Find it: Apps > **Settings**



ON disables all wireless connections.

Change Wi-Fi settings.

Turn Wi-Fi or Bluetooth power **ON** or **OFF**.

Change Bluetooth settings.

Change connection & sharing settings.

Move pictures, music, & other media to an optional microSD memory card.

TIPS & TRICKS

- **Bluetooth™ devices:** To connect a Bluetooth headset, keypad, or other device, touch **Bluetooth**.
- **Wi-Fi networks:** To connect, touch **Wi-Fi**.
- **Wi-Fi hotspot:** To make your phone a hotspot, touch **Tethering & Mobile Hotspot**, then check **Mobile Hotspot**. You can change hotspot security.
- **Google Drive™:** Upload files to the web, so that you can access them from the browser in Microsoft™ Windows™ or Apple™ Macintosh™ computers, as well as other Android™ devices. Visit <http://drive.google.com>.
- **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, touch 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.





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TURN BLUETOOTH POWER ON/OFF

Find it: Apps  >  **Settings**, then touch the **Bluetooth** switch to turn it 


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

CONNECT DEVICES

The **first time** you connect a 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 Touch Apps  >  **Settings** > **Bluetooth**.
- 3 Make sure the switch at the top is , then touch **SEARCH FOR DEVICES**.
- 4 Touch a found device to connect it (if necessary, touch **Pair** or enter a passkey like **0000**).

Tip: Touch  next to a device to rename it.

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


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




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

MANAGE DEVICES

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



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

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





Touch Apps  >  **Settings** > **Bluetooth**, turn Bluetooth power on, then touch Menu  > **Rename phone**. Enter a name and touch **OK**.

LET DEVICES FIND YOUR PHONE

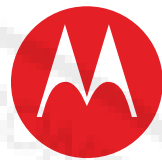
To let a Bluetooth device discover your phone:

- 1 Touch Apps  >  **Settings** > **Bluetooth**.
- 2 Touch **Only visible to paired devices** to make your phone visible to all devices for two minutes.

TRANSFER FILES

- **Photos or videos:** Open the photo or video, then touch  > **Bluetooth**.
- **People:** Touch Apps  >  **People** > Menu  > **Share contacts**, check what you want to share (you can choose **Unselect all**), then touch **OK** > **Bluetooth**.





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WI-FI NETWORKS

TURN WI-FI POWER ON/OFF

Find it: Apps > **Settings**, then touch the **Wi-Fi** switch to turn it .

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

CONNECT TO NETWORKS

To find networks in your range:

1 Touch Apps > **Settings** > **Wi-Fi**.

Tip: To see your phone's MAC address and Wi-Fi settings, touch Menu > **Advanced**.

2 Make sure the switch at the top is , then touch **SCAN**.

3 Touch a found network to connect it (if necessary, enter **Network SSID**, **Security**, and **Wireless password**, and touch **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 , pull down the status bar, touch 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

MANAGE NETWORKS

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

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

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** > **Tethering & Mobile Hotspot** and check **Mobile Hotspot**.

1 Your phone turns off **Wi-Fi** power and uses the mobile network for Internet access. Touch **Mobile Hotspot Settings** > **Configure Mobile Hotspot** to set up security:

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

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



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- **Channel**—If you notice interference after your hotspot has been active for a while, try different channels.

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




When **Mobile 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 your legal and safety information.

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, touch Apps  >  **Settings** > **Storage** > Menu  > **USB computer connection**.

- For Microsoft™ Windows™ XP, Windows Vista, and Windows 7: On your computer, choose Start, then select Windows Explorer from your list of programs. In Windows Explorer, your 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/myrazrm.

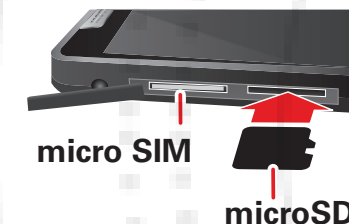
- For Apple™ Macintosh™: Use Android File Transfer, available at www.android.com/filetransfer.

MEMORY CARD & FILE MANAGEMENT

Your photos, videos, and other files are automatically stored in your phone's internal memory.



Optional microSD memory cards can help store more files.



Tip: To move media from internal memory to a microSD card, touch Apps  >  **Settings** > **Storage** > **Manage internal storage**.



REMOVE OR ERASE A MEMORY CARD

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

Before you remove a microSD card you need to unmount it. Touch Apps  >  **Settings** > **Storage** > **Unmount SD card**.

To erase a microSD card, touch Apps  >  **Settings** > **Storage** > **Erase SD card**.

Warning: All data on the microSD card will be deleted.



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USB CONNECTION

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

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

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

Note: Make sure to connect the phone to a high power USB port. Typically, these are located directly on your computer. To change the type of USB connection if necessary, touch Apps  >  **Settings** > **Storage** > Menu  > **USB computer connection** > **Mass Storage, Media device (MTP) or Camera (PTP).**

- 2 Your phone and microSD memory card appear as two separate removable disks on your computer.

Drag and drop files between your computer and the phone or microSD card folders. When you're done, use "Safely Remove Hardware" before disconnecting the USB cable.

Note: You can't use files on the microSD card while your phone is connected to the computer.




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**".

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

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

- 2 On your phone, touch Apps  >  **Settings**, then make sure the **Wi-Fi** switch is set to .
- 3 In **Settings**, touch **Tethering & Mobile Hotspot**, then check **USB tethering** to start the connection.

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

DATA USE

You can track and set limits on your data usage.

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.

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

Your phone shows a data usage graph, followed by a list of the apps that are running, from highest data usage



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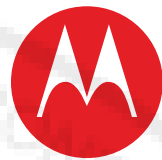
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down to least. Touch an app to open its details. Apps that use a lot of data might also use a lot of battery power.

Set data restrictions, or show Wi-Fi or Ethernet usage.

Activate a data limit.

Drag bars to change your warning (orange) or limit (red).

Drag white bars to change dates.

Touch to show or restrict background data.

The data usage screen shows information and settings for data transferred over your service provider's mobile network.

Tip: To track Wi-Fi and ethernet data usage in separate tabs, touch Apps > **Settings** > **Data usage** > Menu > **Show Wi-Fi usage** or **Show Ethernet usage**.

SET A DATA USAGE WARNING

Touch Apps > **Settings** > **Data usage**, then drag the right side of the orange bar up/down to set the data warning level. You'll receive a notification when your data usage reaches the specified level.

SET A DATA USAGE LIMIT

Touch Apps > **Settings** > **Data usage** > **Set mobile data limit**, then drag the right side of the red bar up/down to set the data usage limit.

When you reach your data usage limit, mobile data is turned off automatically and many of your phone's features won't work correctly. You'll receive a notification when mobile data is turned off.

RESTRICT BACKGROUND DATA

Some apps transfer data in the background, when you're not using them. You can restrict background data usage for individual apps to help reduce your overall data usage.

Touch Apps > **Settings** > **Data usage**, and scroll down to see which apps are transferring data over the mobile network. Touch an app, then touch **Restrict background data**.

You can also restrict background data for all apps across all available networks (mobile, Wi-Fi, and/or Ethernet).

Find it: Menu > **System settings** > **Data usage** > Menu > **Restrict background data**





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Caution: Restricting all background data can cause some features to stop working.



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.



NFC Antenna

ACTIVATE NFC & ANDROID BEAM™

To activate NFC on your phone, touch Apps  >  **Settings** > **More** > **NFC**. Make sure the checkbox is checked.

To activate Android Beam, touch Apps  >  **Settings** > **More** > **Android Beam**, then touch the power switch to turn it **ON**.

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 what you want to share—map page, browser page, photo, whatever.
- 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 Touch 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 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 Google Wallet™ or another 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 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.



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- **Encryption:** Your phone uses the latest security, encryption, and authentication features to protect your personal information for mobile payments and content sharing.

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 Google Drive™, Gmail™, Google Calendar™, and other Google services. To add accounts to your phone, touch Apps > **Settings** > **Accounts & sync**.

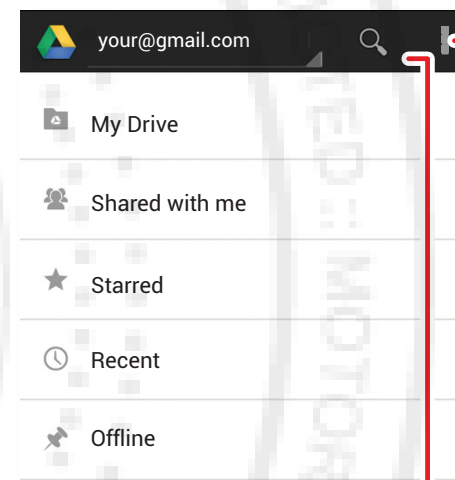
GOOGLE DRIVE™

Google Drive is everywhere you are—on the web, in your home, at the office, and on the go. Your files are protected in your Google account.

Find it: Apps > **Drive**

- **Upload:** Touch Menu > **New...** > **Upload** to choose a song, file, picture, or other file to upload.
- **Download or share:** Touch **All items**, then touch next to a file to share it, make it available offline, and more. Touch **Offline** to show your downloaded documents.

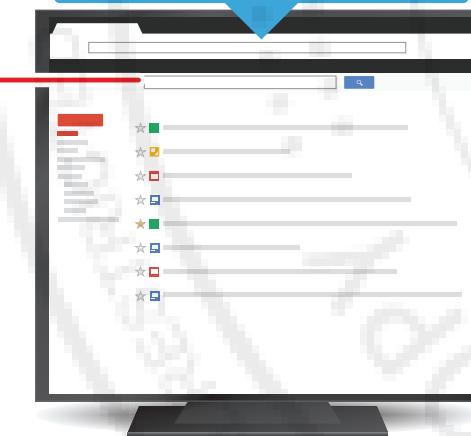
- **Documents:** Touch **My Drive** to open and edit your Google Drive (see “**QUICK START: WORK**”).
- **Update the file list:** Touch Menu > **Refresh** to update the list of files from your computer.
- **From any browser:** Go to <http://drive.google.com> and log into your account to see your files.



Create a document, or change encryption and other settings.

On your computer, go to:

<http://drive.google.com>



Search all files on your drive.

PHONE & TABLET

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



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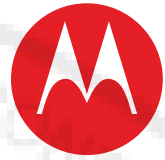
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CONNECT & TRANSFER



CONNECT & TRANSFER

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BLUETOOTH™ WIRELESS

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DLNA™ MEDIA DEVICES

MOTOPRINT REMOTE PRINTING

VIRTUAL PRIVATE NETWORKS (VPN)

MOBILE NETWORK




AIRPLANE MODE

- **Your cloud:** Access to all your stuff on both devices. See **"YOUR CLOUD"**.
- **Transfer media and files:** Upload files to your **"GOOGLE DRIVE™"** from any Android device on your Google account, or you can copy files to your phone's memory card and transfer it to other devices with **"MEMORY CARD & FILE MANAGEMENT"**.
- **Phone hotspot:** If you have a Wi-Fi tablet, turn your phone into a Wi-Fi hotspot to let your tablet access the Internet anywhere—see **"WI-FI HOTSPOT"**,
- **Bluetooth accessories:** If you have a Bluetooth keyboard or other accessories to use with your tablet, remember you can use them with your phone too. To connect them, see **"BLUETOOTH™ WIRELESS"**,

DLNA™ MEDIA DEVICES



Use DLNA Certified computers, TVs, and other devices to show the videos and pictures stored on your phone.



- 1 Make sure your phone is connected to a Wi-Fi network that has another DLNA Certified device.
- 2 Touch Apps  >  **Gallery**, then open the picture or video you want to show.
- 3 Touch  at the top of the screen.

Your phone searches for DLNA devices on your network.


- 4 Choose a device to connect.



To turn on media share so other DLNA Certified devices on your Wi-Fi network can view the videos and pictures stored on your phone, touch Apps  >  **Settings** > **More** > **Media share settings** > **Media share**.

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

MOTOPRINT REMOTE PRINTING

Print email, documents, pictures, and contacts directly to shared printers on a Wi-Fi network—no printer drivers necessary. MOTOPRINT automatically discovers networked printers for you.

Open the document or file you want to print in **Email**, **Quickoffice**, or **Gallery**, then touch Menu  > **Print** > **Print with MotoPrint**. To find a new printer, touch **Find printers** (home) or select an advanced search option (work).

To show, rename, or remove your printers, touch Apps  >  **Settings** > **Printer settings** > **My printers**. Touch and hold a printer for options.

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.



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AIRPLANE MODE

To enter VPN settings, touch 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 that 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.

Touch Apps  >  **Settings** > **More...** > **Mobile networks** to see network settings options.

AIRPLANE MODE

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

Note: When you select airplane mode, all wireless services are disabled. You can then turn Wi-Fi and/or Bluetooth power back on, if permitted by your airline. Other wireless voice and data services (such as calls and text messages) remain off in airplane mode. Emergency calls to your region's emergency number can still be made.



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PROTECT

help keep it safe



PROTECT

QUICK START: PROTECT

SCREEN LOCK

SIM LOCK

ENCRYPT YOUR PHONE

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RESET

QUICK START: PROTECT

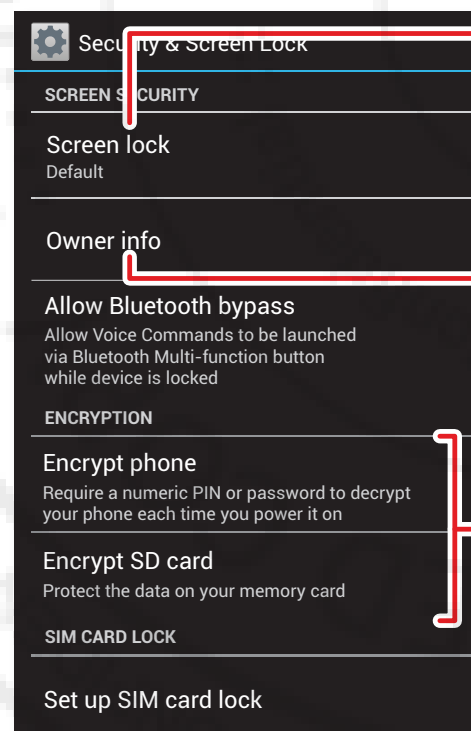
Make sure your information is protected, in case your phone is lost or stolen.

Find it: Apps > **Settings** > **Security & Screen Lock**

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

TIPS & TRICKS

- **Face unlock:** Unlock your phone by looking at it! Touch Apps > **Settings** > **Security & Screen Lock** > **Screen lock** > **Face Unlock** and follow the prompts.
- **Forgotten pattern:** If you enter the wrong unlock **Pattern** five times, your device shows a **Forgot pattern?** option that lets you enter your Google™ account email and password to unlock your device.
- **Forgotten password:** You will need to reset your phone (see "**RESET**").
- **Restrict dialing:** To restrict your phone so that it can only dial a few numbers, touch Apps > **Phone** > **Menu** > **Settings** > **Fixed dialing numbers**.



Change your screen lock to use a slide, facial recognition, a pattern, PIN, password, or no lock.

Your info can show on the lock screen.

Encrypt the data stored on your phone or memory card.



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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** > **Screen lock**, then select the lock type:

- **None:** Turn off the screen lock.
- **Slide:** Flick  to the right to unlock.
- **Face Unlock:** Look at your phone to unlock it.

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

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

- **Pattern:** Draw a pattern to unlock.
- **PIN:** Enter four to sixteen digits to unlock.
- **Password:** Enter four to sixteen letters, digits, or symbols to unlock.

To change when your touchscreen goes to sleep, see "**POWER KEY**".

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

CAN'T UNLOCK?

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

Pattern, PIN, or password: If you forget your pattern, PIN, or password, your device shows an option that lets you enter your Google™ account email and password to unlock your device.

SIM LOCK

Caution: If you enter an incorrect PIN code three times, your phone locks your SIM card and asks for your PIN unlock code. Contact your service provider for your PIN unlock code.

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

Find it: Apps  >  **Settings** > **Security & Screen Lock** > **Set up SIM card lock** > **Lock SIM card**

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

ENCRYPT YOUR 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.



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



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

Find it: Apps  >  **Settings** > **Security & Screen Lock** > **Encrypt phone**

BACKUP & RESTORE

Your Google™ account data is backed up online. So, if you reset or replace your phone, just log into your Google account to restore the contacts, events, and other details you synced with the account. To choose what syncs with the account, touch Apps  >  **Settings** > **Accounts & sync**, touch your Google™ account, and check things to sync. Please note that text messages, call logs, and items stored on your phone will not be restored. To restore your apps from Google Play™, see “**TAKE CARE OF YOUR APPS**”.

RESET

To reset your phone to factory settings and erase all the data on your phone, touch Apps  >  **Settings** > **Privacy** > **Factory Data Reset** > **Reset Phone**.

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



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