

Timer

To set a timer:

1. Touch  >  **Alarm & Timer** > **Timer**.
2. Set a time and touch **Start**.
 - For timer details, touch  > **Settings**, change your settings, and then touch **Done**.

Help Center



- ▶ Touch  > **Help Center**.

You can also flick your home screen left or right to see the Tips & Tricks widget.

Calculator



Your phone comes with a handy calculator.

- ▶ Touch  >  **Calculator**.

Your calculator has basic and advanced views. To change views, touch  > **Advanced panel/Basic panel**. To clear history, touch  > **Clear history**.

Quickoffice

Use Quickoffice to create, view, and edit text documents and spreadsheets.

- ▶ Touch  >  **Quickoffice**.

Create a New File

To create a new file, touch the icon of the type of file you want to create, then touch **Create New Document**.

Open a Document


To open an existing file, touch the icon of the type of file you want to edit, touch **SD Card**, to search for a file, or touch **Recent Documents**.

Browse Files

To browse files on your memory card, touch **Browse** > **SD Card**. Touch a file or folder to open, or touch and hold a file for options. You can edit most text or spreadsheet files:

Tips:

- Place your cursor by touching the text.
- Select text by double-touching it.

- Choose formatting, save the file, or choose other options by touching **Menu** .

To manage your folders and transfer files, see “USB and Memory Card” on page 125.



Accessibility



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

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

Voice Recognition

Use your voice — just touch and speak.

- **Dialing and commands:** Touch  >  **Voice Control**. To dial, say “**Call**” and then a contact name or phone number. Or, say a command from the list shown, like “**Send Text**” or “**Go To**”.

- **Search:** Touch  >  **Voice Search**, and then say what you want to search for, like “Motorola accessories”.



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

To change our voice settings, see “Voice Settings” on page 44.

Voice Readouts (TalkBack)

Note: This feature is only available in English and Spanish.

Your navigation and selections, read out loud.

- ▶ To turn on voice readouts (similar to TalkBack), touch  >  **Settings** > **Accessibility**. Touch **Accessibility** to enable the settings, then touch **TalkBack** and then touch **Voice Readouts**.

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

To use voice readouts:

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

Note: Touching a home screen widget or shortcut will open it.





- **Dialer & text entry:** As you type, each number or letter is read out loud.
- **Notification:** When you flick the notifications bar down, all notifications are read out loud.

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

To change your voice settings, see “Voice Settings” on page 44.






Caller ID

When you want to hear who’s calling:

- **Read out loud:** Have your caller announced — touch  >  **Settings** > **Call settings** > **Caller ID readout**.
- **Ringtones:** Assign a unique ringtone to a contact — touch  **Dialer** > **Contacts**, open a contact, and then press **Menu**  > **Options** > **Ringtone**.

Voice Settings

Personalize your voice settings:

- **Voice commands:** Touch  >  **Voice Control** > **Menu**  > **Settings**. From here, you can refine recognition of your voice (**Adaptation**) and set options like **Audio Modes** and **Sensitivity**.
- **Text-to-speech:** Touch  >  **Settings** > **Text-to-speech**. From here, you can set options like speed and language.

Volume and Vibrate

Choose volume and vibrate settings that work for you.

Touch  >  **Settings** > **Sound & display**:


- **Volume:** Touch **Ringtone volume** or **Media volume** and use the sliders.

Tip: To set separate ring and notification volumes, uncheck **Use incoming call volume for notifications**.



- **Vibrate:** Select **Vibrate** to feel your phone ring.

Zoom


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


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

Display Brightness

Set a brightness level that works for you. Touch  >  **Settings** > **Sound & display** > **Brightness**. Make sure that **Automatic brightness** is unchecked so you can set your own level.

Touchscreen and Keys

All these touch features are great, and sometimes it is nice to hear or feel your touches too. Touch  >



-  **Settings** > **Sound & display**:
- **Touchscreen:** To hear screen touches (click), touch **Audible selection**.

- **Touchscreen Keys:** To feel key touches (vibrate), touch **Haptic feedback**.
- **Dial pad:** To hear touch tones when you dial a phone number, touch **Audible touch tones**.

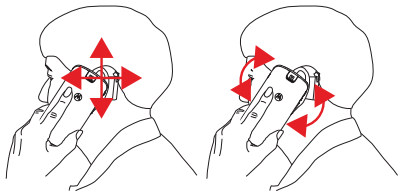
Hearing Aids

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



Note: Ratings are not a guarantee of compatibility. See "Using Your Phone With a Hearing Aid Device" on page 147. You may also want to consult your hearing health professional, who should be able to help you get the best results.

- **Settings:** Touch  >  **Settings** > **Call settings** > **Hearing aid compatible**. Select **Microphone** to optimize your phone for microphone coupling, or select **Telecoil** to optimize your phone for telecoil coupling.
- **Call volume:** During a call, press the side volume keys to set a call volume that works for you.

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



TTY

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

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

Updating Your Phone

Stay up to date with the latest software updates for your phone. You can check, download and install updates using your phone, or using your computer:

- Using your phone:

You may get an automatic notification of an available update on your phone. Simply follow the instructions to download and install.

To manually check for updates, touch  > **Settings** > **About phone** > **System updates**.

Your phone downloads any updates over your mobile network. Remember, these updates can be quite large (25MB or more) and may not be available in all countries. If you don't have an unlimited data plan, or mobile network updates are not available in your country, you can update using a computer.

- Using your computer:

On your computer, go to www.motorola.com, search for your phone model, and check the “Software” links. If an update is available, follow the installation instructions.

2F. Voice Services

- ◆ Voice Actions (page 48)
- ◆ Voice Commands (page 48)

Voice Actions

- ▶ To begin a voice search, press the Voice key on the keypad.

Note: If you're writing a text message, press the Voice key to begin dictation mode. Your phone recognizes words you speak and enters them into your message.


Or, press the Voice key and say one of the following commands:

To...	Say...
Map a route	"navigate to"
Send a text message	"send text"
Make a call	"call"

To...	Say...
Send email	"send email"
Find local businesses	"map of..."
Browse the web	"go to"
Make a voice note	"note to self"
Get directions	"directions to"

Tip: To learn more about voice actions, press the Voice key on the keypad, and then select **Watch Video**.

Voice Commands

For more voice commands, touch  > **Voice Commands** and follow the prompts.

Tip: For quick access to Voice Commands, add a shortcut to one of the home screens. Touch and hold an empty area, and then touch **Shortcuts** > **Applications** > **Voice Commands**.

2G. microSD Card

- ◆ Using a microSD Card With Your Phone (page 49)
- ◆ microSD Settings (page 51)
- ◆ File Manager (page 52)
- ◆ Connecting Your Phone to Your Computer (page 52)

Using a microSD Card With Your Phone

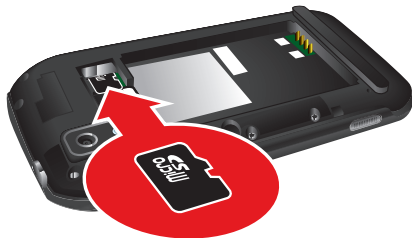
Using the microSD Card Slot

Your phone is equipped with a microSD (Secure Digital) memory card slot to expand the phone's available memory space. It allows you to store images, videos, music, and voice data in your phone.

Note: You need the memory card installed for some features on your phone, such as **Camera**.

Inserting the microSD Card

1. Remove the battery cover. (See “Installing the Battery” on page 14.)
2. Open the memory card slot cover, and slide in the memory card until it clicks into place.





Note: Be sure to use only recommended microSD cards. Using non-recommended microSD cards could cause data loss and damage your phone. Your phone can be used with Transflash or microSD memory cards.

3. Close the memory card slot cover and replace the battery cover.

Removing the microSD Card

Important: Do not remove the memory card until you select the **Unmount SD card** option under **SD card & phone storage**. Removing the memory card before selecting the **Unmount SD card** option could result in loss of data.

1. Before you remove your memory card you need to unmount it. Select  >  **Settings** > **SD card & phone storage** > **Unmount SD card**.
2. Once your phone confirms that it is safe to remove the microSD card, remove the battery cover and open the memory card slot cover.
3. Grasp the raised edge of the microSD card and pull the card out.







Note: The microSD card and its adapter can be easily damaged by improper operation. Please be careful when inserting, removing, or handling them.

4. Close the memory card slot cover and replace the battery cover.

Formatting Your Memory Card

If you are having difficulty with a memory card, you may format the card using your phone. This process removes any data on the card and sets up a new folder system.

1. Before you format your memory card you need to unmount it. Select  >  **Settings** > **SD card & phone storage** > **Unmount SD card**.
2. Select  >  **Settings** > **SD card & phone storage** > **Format SD card** > **Format SD card**.

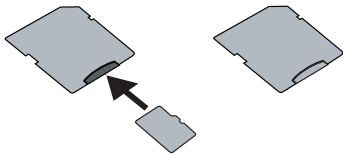
WARNING: The formatting procedure erases all the data on the microSD card, after which the files CANNOT be retrieved. To prevent the loss of important data, please check the contents before you format the card.

Using the microSD Adapter

The microSD adapter allows microSD cards to be used in SD-compatible devices such as digital cameras, printers, and computers. Before using, you will need to insert the microSD card into the microSD adapter.

To insert the microSD card into the microSD adapter:

- ▶ With the label side of the microSD card facing up, insert the card into the supplied microSD adapter, and gently slide the card until it is fully inserted.



To remove the microSD card from the microSD adapter:



- ▶ Hold the front edge of the microSD card, and gently pull outward to remove it from the adapter.

Tip: If your computer has an SD card slot or if you have an SD card adapter, you can use the microSD card and adapter to transfer files such as audio files, pictures, and videos directly between your computer and your microSD card.



When you insert the card into your computer, select **Open folder to view files using Windows Explorer** (or a similar option) and drag and drop files using the available folders.

microSD Settings

Viewing Memory in the microSD Card

1. With the microSD card inserted, select  >  **Settings > SD card & phone storage**.
2. The following information will be displayed:
 - **Total space** displays the capacity of the memory card.
 - **Available space** displays the amount of free memory space.

File Manager

- ▶ To see the files on your phone and memory card, touch  >  **FileManager**. Touch a file or folder to open it. Touch and hold a file to **Share**, **Rename**, or **Delete** it.


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

Connecting Your Phone to Your Computer

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 a memory card inserted, and your phone showing the home screen, 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.

2. On your phone, flick down the status bar to see the USB connection options.
3. Touch an option:
 - **Motorola Phone Portal:** Connect your phone and computer with a cable or a Wi-Fi network to share files through an easy-to-use home screen.
 - **Windows* Media Player Sync:** Share media files between your computer and phone.

Note: This device can be administered through Microsoft Exchange server security policies. Additional security policies may be applied to your device depending on rules set by your company.

- **USB mass storage:** Drag and drop files between your computer and memory card folders. When you're done, use "Safely Remove Hardware" before disconnecting the USB cable.

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

Charge Only: Use the connection only to charge a device.

2H. Camera

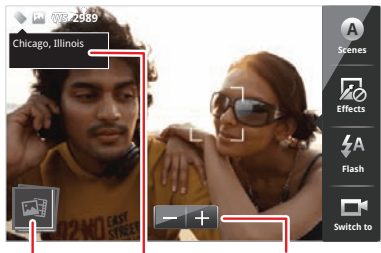
- ◆ Taking Photos (page 54)
- ◆ Recording Videos (page 56)
- ◆ Viewing Photos & Videos (page 57)
- ◆ Managing Photos and Videos (page 58)

Taking Photos

Take that family photo, and post it online for everyone to see.

1. Touch .

Tip: You can also program the side key on your phone to open the camera. See “Programmable Side Key” on page 16.



Go to your picture gallery.

Tag photos with your location.

Zoom in or out.

Photo Capture Settings
Adjust for greater creative control.

Note: Photos are stored on your microSD memory card.





2. To take the photo, touch the viewfinder to lock the focus, and then touch  to take the photo.
 - To upload the photo to an online photo album, touch . You can set your Quick upload album when you upload your first picture.
 - To send the photo in a message or post it online, touch .
 - To delete the photo, touch  > **Delete**.

Photo Options

You can make adjustments to optimize your shot. Touch a button on the right side of the screen to make changes (touch the screen to turn on the buttons if necessary):

- **Scenes:** Adjust for better image capture in different environments: **Auto**, **Portrait**, **Landscape**, **Sport**, and more. Touch the screen when finished to return to the viewfinder.
- **Effects:** Change photo look: **Normal**, **Negative**, **Black and White**, and more.
- **Flash:** Set **Flash On**, **Flash Off**, or **Auto Flash**.
- **Switch to:** Toggle between photo and camcorder modes.

Camera Settings

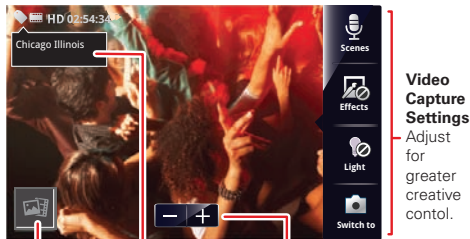
In the viewfinder, touch  > **Settings** to open the camera menu and adjust these settings:

- **Picture Resolution:** Adjust for optimal resolution.
- **Video Resolution:** Adjust for best resolution for your needs.

- **Quick upload album:** Automatically upload photos to accounts you select, such as **Facebook**, **MySpace**, **Photobucket**, and more.
- **Face Detection:** Let the viewfinder automatically detect a face and adjust image quality accordingly.
- **Exposure:** Select the best exposure for your environment.
- **Shutter Tone:** Select whether your camera makes a sound when you take a photo.
- **Shutter Animation:** Select how the viewfinder looks when you take a photo.

Recording Videos





1. Touch  >  **Camcorder**.





Go to your gallery.

Tag videos with your location.

Zoom in or out.

2. To record the video, touch . Touch  to stop the recording.
3. Open your gallery and touch a video to view options:
 - To play the video, touch .
 - To upload the video to an online album, touch .


- To send the video in a message or post it online, touch .
- To delete the video, touch  > **Delete**.

Video Options

You can make adjustments to optimize your video. Touch one of the buttons on the right side of the viewfinder to make changes (you may need to touch the screen to make the buttons appear):

- **Scenes:** Adjust for better video capture in different environments: **Auto** and **Night**
- **Effects:** Change video look: **Normal**, **Negative**, **Black and White**, and more.
- **Light:** Turn a light on or off to adjust for the lighting where you are recording.
- **Switch to:** Toggle between camcorder and camera.

Camcorder Settings

In the viewfinder, touch  > **Settings** to open the camcorder menu and adjust these settings: **Video Resolution**, **Shutter Animation**, and more.

Viewing Photos & Videos

▶ Touch  >  **Gallery**.

FPO
SCREEN NOT YET AVAILABLE



Touch a folder to display all of its photos or videos.

- **Camera roll:** All of the captured photos and videos on your phone.
- **My Tags:** Photos and videos grouped by tag.
- **Folders** – Photos and videos grouped by the folders where they're saved.
- **All photos** – All photos, no groupings.
- **All videos** – All videos, no groupings.

View Photos and Videos

Tip: Turn the phone sideways for a widescreen view.

The **Gallery** first shows photos and videos as thumbnails. Scroll through the thumbnails by flicking them left or right. Touch a thumbnail to select it for viewing or playback.

When you select a thumbnail, it is enlarged to normal viewing size. Videos are paused at the beginning. Touch the play  and pause  buttons on the screen to control video playback.

Note: To see the buttons while a video is playing, touch the display.






Share Photos and Videos

To send your photo in a message or post it online:

1. Touch  >  **Gallery**.
2. Select an image.
3. Touch and hold a photo or video, and then touch .

4. Choose how you want to share, such as **Bluetooth**, **Email**, **Text Messaging**, and more.

Managing Photos and Videos

1. Touch  >  **Gallery**.
2. Select an image.
3. Touch and hold a photo or video, and then touch , , or  (to edit, delete, set as, print, and more).

Tip: To copy photos to/from a computer, go to “Connecting Your Phone to Your Computer” on page 38.