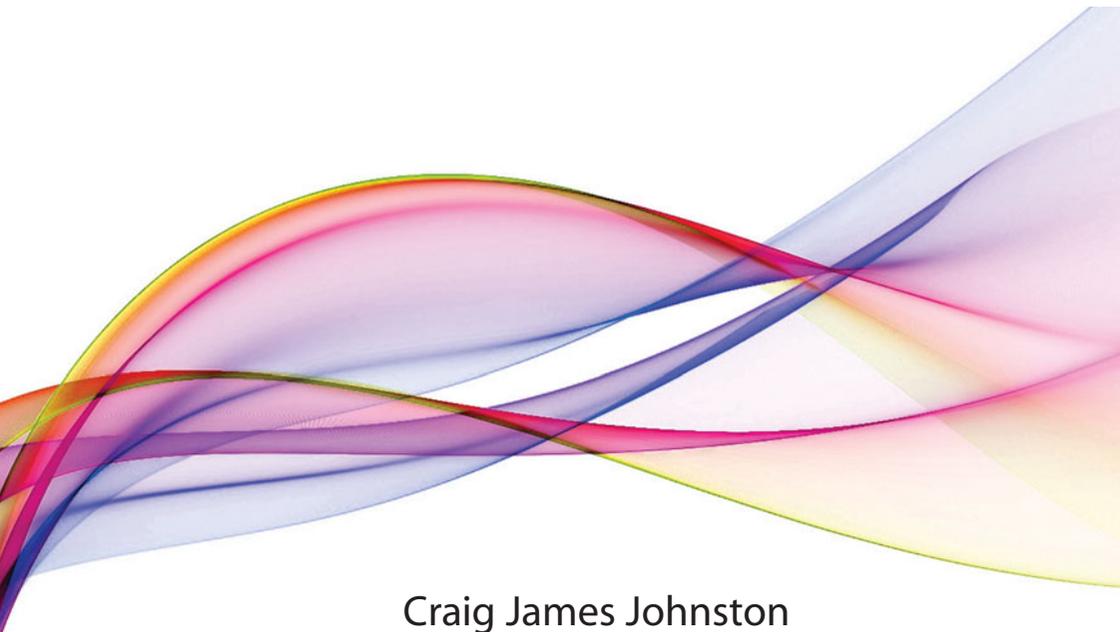


My Motorola Atrix™ 4G



An abstract graphic consisting of several overlapping, flowing, translucent waves in shades of blue, purple, pink, red, and yellow, creating a sense of motion and depth.

My Motorola
Atrix™ 4G

Craig James Johnston

que®

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Indianapolis, Indiana 46240 USA

My Motorola Atrix™ 4G

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About the Author

Craig James Johnston has been involved with technology since his high school days at Glenwood High in Durban, South Africa, when his school was given some Apple Europluses. From that moment technology captivated him, and he has owned, supported, evangelized, and written about it.

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Originally from Durban, South Africa, Craig has lived in the United Kingdom, the San Francisco Bay Area, and New Jersey where he now lives with his wife, Karen, and a couple of cats.

Craig would love to hear from you. Feel free to contact Craig about your experiences with *My Motorola Atrix 4G* at www.CraigsBooks.info.

All comments, suggestions, and feedback are welcome, including positive and negative.

Dedication

I love deadlines. I like the whooshing sound they make as they fly by.
—Douglas Adams

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Motorola Atrix

Motorola
Lapdock

Prologue

In this chapter, you learn about the external features of the Motorola Atrix 4G and the basics of getting started with it. Topics include the following:

- Your Motorola Atrix 4G's external features
- Fundamentals of Android
- Installing synchronization software



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Getting to Know Your Motorola Atrix 4G

Let's start by getting to know more about your Motorola Atrix 4G. We cover the external features, device features, and go over how the Android operating system works.

Your Motorola Atrix 4G's External Features

The outside of your Motorola Atrix 4G was designed to be beautiful and functional. It has a large screen, fingerprint reader, and physical and virtual buttons. Let's take a look.



Proximity and light sensors The proximity sensor detects when you place your Motorola Atrix 4G against your ear to talk, at which point it turns off the screen to avoid any ear button pushing. The light sensor is used to adjust the brightness of your Motorola Atrix 4G's screen based on the brightness of the ambient light.

Volume up/down buttons Enables you to control the volume of audio, video, and phone calls.

Status light Indicates the state of your Motorola Atrix 4G's battery and shows when new messages arrive. Green means your Motorola Atrix 4G is fully charged when you have it connected to a charger. Amber means that your Motorola Atrix 4G is charging. Flashing red means your Motorola Atrix 4G's battery is low. Flashing green means that you have a new message waiting.

Touchscreen The Motorola Atrix 4G has a four-inch 540 × 960 pixel TFT LCD (Thin Film Transistor Liquid Crystal Display) screen with capacitive touch. Because the screen uses capacitive touch, you do not need to press hard.

Back button Touching the Back button takes you back one screen when using an application or menu. This soft button doesn't actually press in. When you touch it, your Motorola Atrix 4G vibrates briefly to let you know it has detected the touch.

Menu button Displays a menu of choices. The menu differs based on what screen you are looking at and what application you are using.

Home button Touch this button to go to the Home screen. The application that you are using continues to run in the background.

Search button Touch this button to type or speak a search term. Your Motorola Atrix 4G searches on your phone and on the Internet for content that matches the search term.

Front-facing camera This camera, which is a low-resolution VGA (640 × 480) webcam, can be used for recording video or taking pictures. It can also be used for video chat.

Microphone This microphone picks up your voice when you are on the phone. Your Motorola Atrix 4G uses the audio from this microphone and the noise cancelation microphone on the back to ensure your voice is not drowned out by background noise.



5 megapixel camera with autofocus Uses mechanical autofocus so you can take clear pictures close-up or far away.

LED (Light Emitting Diode) camera flash Helps to illuminate the surroundings when taking pictures in low light.

Speaker Audio is produced when speakerphone is in use. Keep your Motorola Atrix 4G on a hard surface for the best audio reflection.

Noise cancelation microphone With this microphone, which picks up ambient noise, and the main microphone, your Motorola Atrix 4G can more accurately determine how to enhance your voice and reduce background noise while you are on the phone.

Back cover Pull the cover off from the bottom when you need to swap the battery, Micro-SD card, or your SIM card.

Power button/fingerprint reader Press once to wake up your Motorola Atrix 4G. Press and hold for one second to reveal a menu of choices. The choices enable you to put your Motorola Atrix 4G into silent mode, airplane mode, or power it off completely. Swipe your finger across the button to have your fingerprint read. We discuss this more in Chapter 11, "Customizing the Motorola Atrix 4G."

3.5 mm headphone jack Plug in your Motorola Atrix 4G or third-party headsets to enjoy music and talk on the phone.



MicroHDMI port Use the included MicroHDMI to HDMI cable to connect your Atrix to a television to play movies on the big screen.

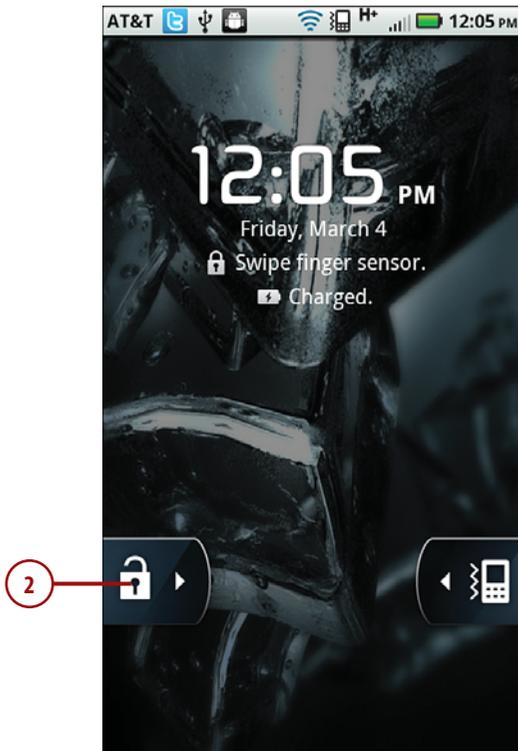
MicroUSB port Plug the supplied USB cable into this port and either connect it to your desktop computer to synchronize data, or to a charger to charge.

Fundamentals of Android

Your Motorola Atrix 4G is run by an operating system called Android. Android was created by Google to run on smartphones, and there are quite a few that run on Android today. Android works pretty much the same on all smartphones, with small differences based on the version of Android installed and the interface tweaks that each manufacturer makes.

The Unlock Screen

If you haven't used your Motorola Atrix 4G for a while, the screen goes blank to conserve battery power. To unlock your Motorola Atrix 4G, do the following:



1. Press the power button on the top, near the back of your Motorola Atrix 4G.
2. Slide the green padlock button to the right. This unlocks your Motorola Atrix 4G.

Silence Your Motorola Atrix 4G

On the unlock screen, there is a second button. This button enables you to silence your Motorola Atrix 4G without having to first unlock it. Simply slide the yellow button to the left to toggle between silent mode and audio alert mode.

The Home Screen

After you unlock your Motorola Atrix 4G, you are presented with the Home screen. The Home screen contains application icons, a Launcher icon, status bar, and widgets.



Widgets Widgets are applications that run right on the Home screen. They are specially designed to provide functionality and real-time information to the Home screen. An example of a widget is one that shows the current weather or provides a search capability.

Application icon These are application icons that have been dragged to the Home screen from the Launcher. When you touch one, it launches the associated application.

Launcher Touch the Launcher icon to show application icons for all applications that you have installed on your Motorola Atrix 4G.

Phone Touch the Phone icon to make a phone call.

Contacts Touch the Contacts icon to see your contacts.

Status bar Shows the time, signal strength, battery level, and which type of network you are connected to: Wi-Fi or cellular. Also shows any notification icons such as new mail.

Drag the Status Bar

You can drag the status bar down to see more notifications or more details on the notifications. After the status bar has been pulled down, touch a notification to be taken to the appropriate application.

Your Motorola Atrix 4G's Home screen is actually comprised of seven parts, or seven screens. To see the other screens, swipe your finger left or right on the screen to slide to the screens to the left and right of the Home screen.

To see what is on all seven of the screens at once, touch and hold the Launcher icon. After a few seconds, you see a thumbnail of each of the seven screens. To jump directly to one of them, just touch that screen.

Touch a thumbnail to jump to that screen



Touch and hold to reveal thumbnails of each screen

Using Your Motorola Atrix 4G's Touchscreen

Interacting with your Motorola Atrix 4G is done mostly by touching the screen, known as making gestures on the screen. You can touch, swipe, pinch, double-tap, and type.

Touch To start an application, touch its icon. Touch a menu item to select it. Touch the letters of the onscreen keyboard to type.



Touch and hold Touch and hold to interact with an object. For example, if you touch and hold a blank area of the Home screen, a menu pops up. If you touch and hold an icon, you can reposition it with your finger.



Drag Dragging always starts with a touch and hold. For example, if you touch the status bar, you can drag it down to read all of the status messages.



Swipe or slide Swipe or slide the screen to scroll quickly. To swipe or slide, move your finger across the screen quickly. Be careful not to touch and hold before your swipe, or you will reposition something.



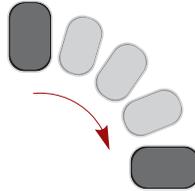
Double-touch Double-touching is like double-clicking a mouse on a desktop computer. Tap the screen twice in quick succession. You can double-touch a web page to zoom in to part of that page. Double-touching also works in the camera application to zoom the camera.



Pinch To zoom in and out of images and pages, place your thumb and forefinger on the screen. Pinch them together to zoom out or spread them apart to zoom in (unpinching). Applications like Browser, Gallery, and Maps currently support pinching.



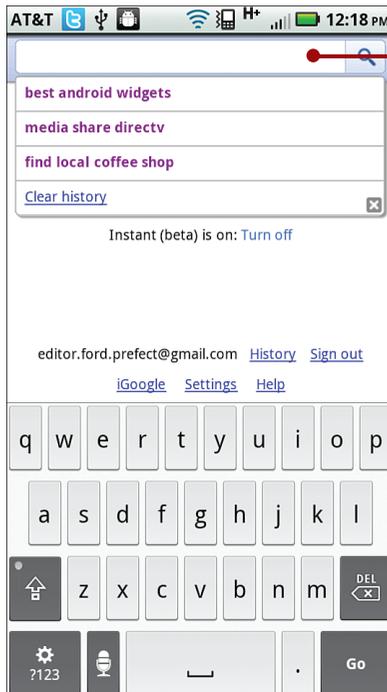
Rotate the screen If you rotate your Motorola Atrix 4G from an upright position to being on its left side, the screen switches from portrait view to landscape view. Most applications honor the screen orientation. The Home screen does not.



Using Your Motorola Atrix 4G's Keyboard

Your Motorola Atrix 4G has a virtual, or onscreen keyboard for those times when you need to enter text. You might be a little wary of a keyboard that has no physical keys, but you will be pleasantly surprised at how well it works. Let's go through the main points of the keyboard.

Some applications automatically show the keyboard when you need to enter text. If the keyboard does not appear, touch the area where you want to type and the keyboard slides up ready for use.



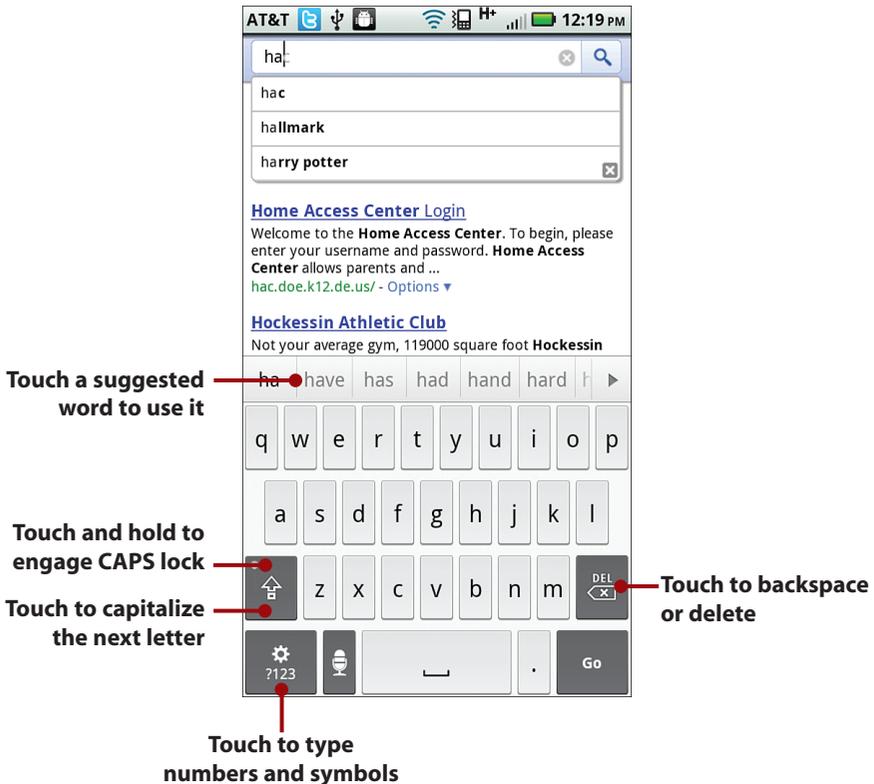
Touch where you want to type

As you type, your Motorola Atrix 4G makes word suggestions. Think of this as similar to the spell checker you would see in a word processor. Your Motorola Atrix 4G uses a dictionary of words to guess what you are typing. If the word you want to type is highlighted in orange, touch space or period to select it. If you can see the word in the list but it is not highlighted in orange, touch the word to select it.

To make the next letter you type a capital letter, touch the Shift key. To make all letters capitals (or CAPS), touch and hold or double-tap the Shift key to engage CAPS Lock. Touch Shift again to disengage CAPS Lock.

To backspace or delete what you have typed, touch the DEL key.

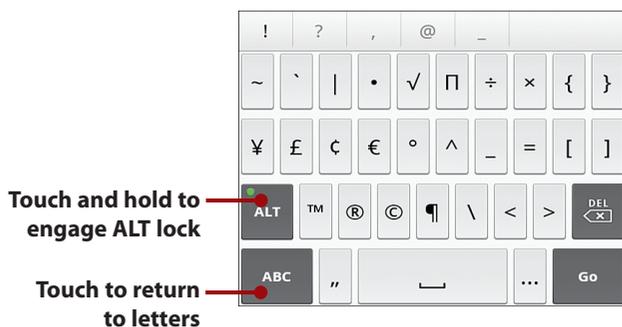
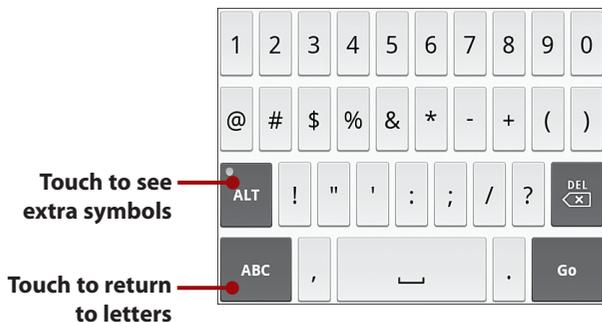
To type numbers or symbols, touch the Symbols key.



Add Your Word

If you want to save a suggested word to your dictionary, touch and hold the word. You see a pop-up that shows the word and the Saved option next to it.

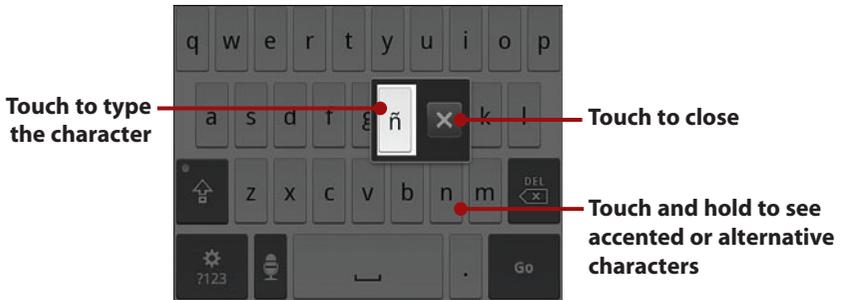
When on the Number and Symbols screen, touch the ALT key to see extra symbols. Touch the ABC key to return to the regular keyboard. From the extra symbols keyboard, touch ALT to return to the numeric keyboard or ABC to see the regular keyboard.



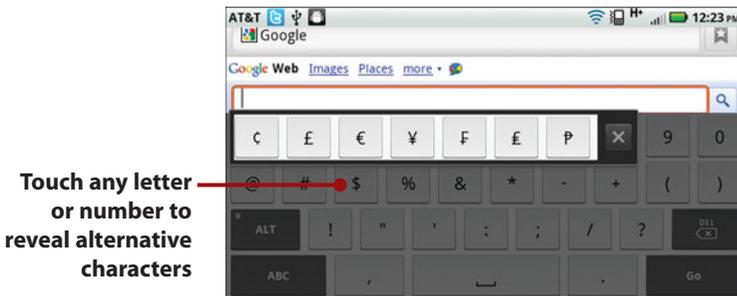
Quick Access to Symbols

If you want to type commonly used symbols, touch and hold the period key. A small window opens with those common symbols. Press the X to return to the regular keys.

To enter an accented character, touch and hold any vowel or C, N, or S keys. A small window opens, enabling you to select an accented or alternative character. Touch the X to close the window.



To reveal other alternative characters, touch and hold any other letter, number, or symbol.



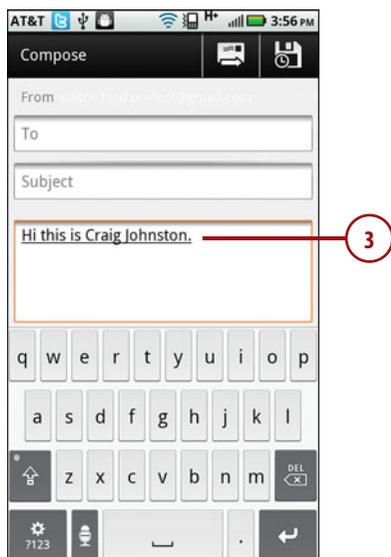
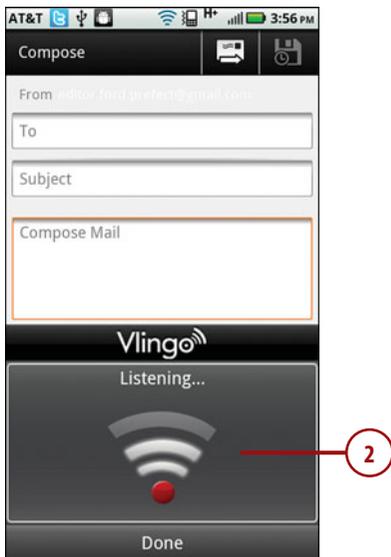
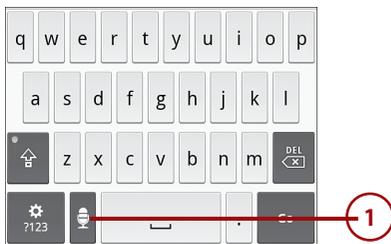
Want a Larger Keyboard?

Rotate your Motorola Atrix 4G sideways to switch to a landscape keyboard. The landscape keyboard has larger keys and is easier to type on.

Speak Instead of Typing

Your Motorola Atrix 4G can turn your voice into words. It uses Vlingo's speech recognition service, which means that you must have a connection to the cellular network or a Wi-Fi network to use it.

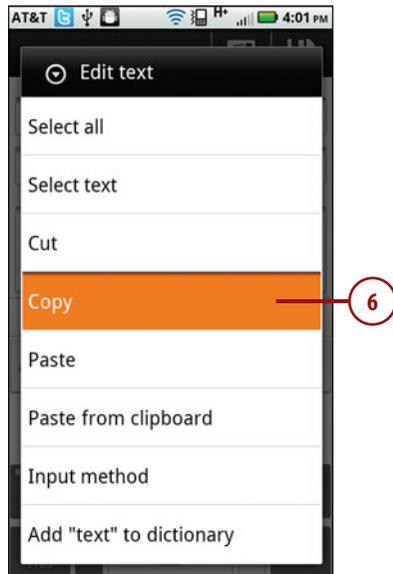
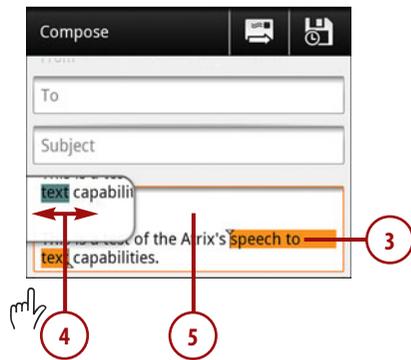
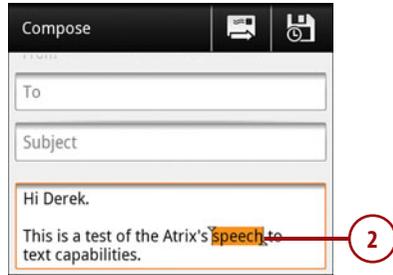
1. While the onscreen keyboard is visible, touch the microphone key. Alternatively, you can swipe your finger across the keyboard from left to right.
2. The microphone pops up. Wait for the message "Speak now" and start speaking what you want to be typed. You can speak the punctuation by saying "comma," "question mark," "exclamation mark," or "exclamation point."
3. After you have spoken what you want to type, you briefly see "thinking" and then your text is placed in the text field. The text remains underlined so that you can touch the DEL key to delete it. If you are satisfied with the text, continue typing on the keyboard or touch the Back button to close the keyboard.



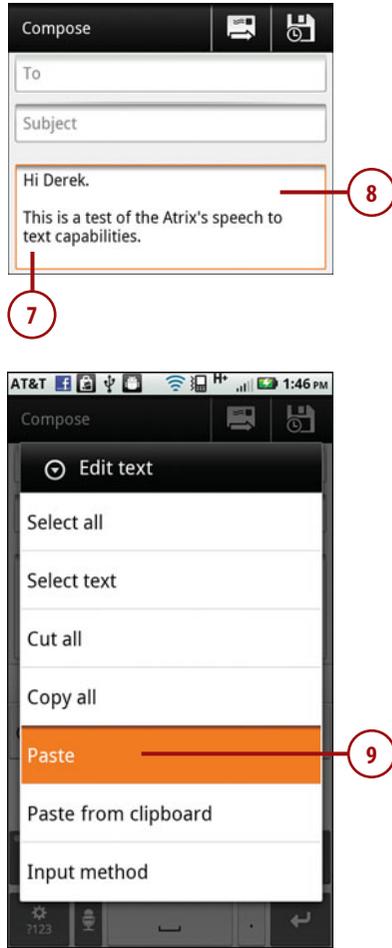
Editing Text

After you enter text, you can edit it by cutting, copying, or pasting the text. In this example, we are going to Copy and Paste some text.

1. While you are typing, touch the text area.
2. Double-touch a word to select it.
3. If you want to revise your selection, touch and hold on either the left or right side of the selected word until you see a magnified area appear above your finger.
4. Slide your finger left or right to change the text to be selected.
5. After you have the text selected, touch and hold anywhere on the screen to reveal the menu.
6. Touch Copy.

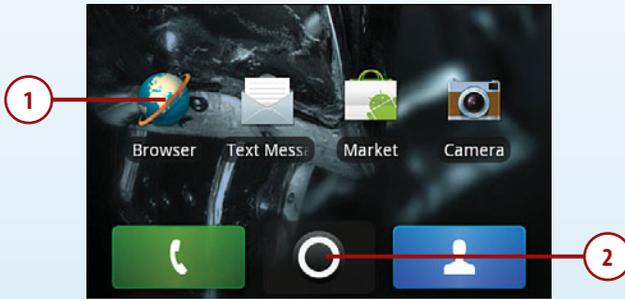


7. Touch the screen where you want to paste the text.
8. Touch and hold anywhere on the screen to reveal the menu.
9. Touch Paste.



Starting and Switching Applications

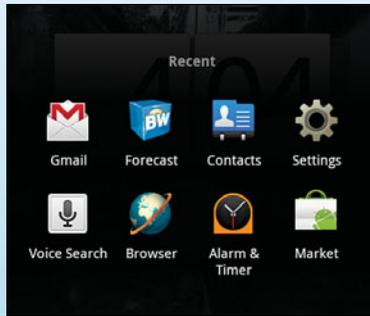
We cover applications for your Motorola Atrix 4G in a later chapter, but to get you started, here is how to start an application and switch between them. Each application has an associated icon. Those icons can be on the Home screen or in the Launcher. The Launcher displays every application you have installed.



1. To start an application from the Home screen, touch the icon.
2. To open the Launcher, touch the Launcher icon.



3. Because all the icons do not fit on one screen, you need to swipe upward to see all of them.



4. Touch the Home button to close the Launcher and return to the Home screen.

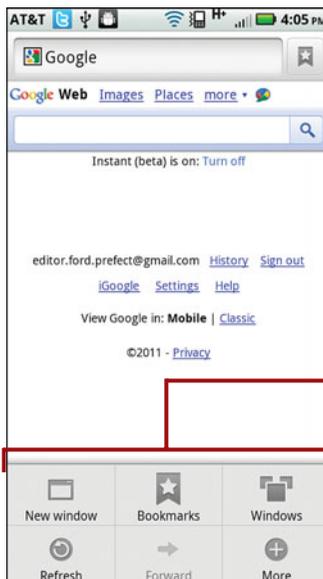
Switch Between Applications

You can quickly switch between recently used applications by touching and holding the Home button. A small window pops up, revealing the most recently used applications. Touch an icon to switch to that application.

Menus

Your Motorola Atrix 4G has two types of menus: Options menus and Context menus. Let's go over what each one does.

Most applications have Options menus. These enable you to make changes or take actions within that application. Sometimes the Options menu has a More item that enables you to see more options.



Touching the Menu button reveals the Options menu

A Context menu applies to an item on the screen. If you touch and hold something on the screen (for this example, I touched a link on a web page), a Context menu appears. The items on the Context menu differ based on the type of object you touched.



Installing Synchronization Software

Your Motorola Atrix 4G is designed to work in a disconnected fashion without the need to connect it to your desktop computer. However, you still might want to synchronize some content from your computer to your Motorola Atrix 4G. One of the most common uses for this software is to synchronize music and photos. In this book, we use an application called doubleTwist. Other applications also provide synchronization for your Motorola Atrix 4G, such as Missing Sync from Mark/Space, but I've used doubleTwist because it is free. Before we begin, download the version you need (Windows or Mac OS X) from www.doubletwist.com.

Installing doubleTwist on Windows

1. Double-click on the doubleTwist install file. On the first screen, click Install.
2. After the install is complete, make sure that the Launch doubleTwist box is checked.
3. Click Finish.



1

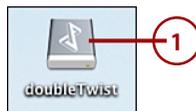


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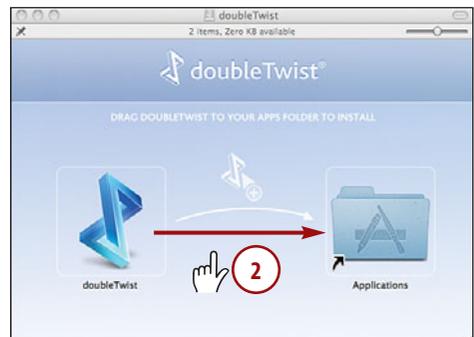
3

Installing doubleTwist on Mac OS X

1. Double-click on the doubleTwist disc on your Mac desktop.
2. Drag the doubleTwist icon to the Applications folder icon.



1



2

Creating a doubleTwist Account

The first time you run doubleTwist, it asks you to log in using your doubleTwist account. You probably don't have one, so let's go through how to create a free doubleTwist account. The steps and screens are the same for the Windows and Mac versions of doubleTwist. We cover doubleTwist more in Chapter 3 and 9.

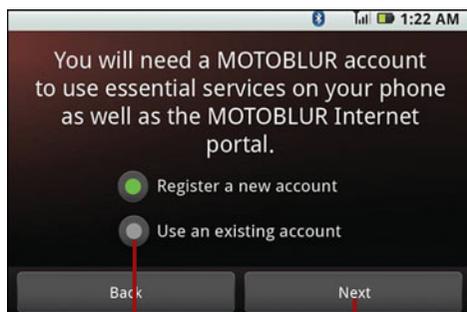
1. Click Create Account.
2. Type in your name, choose a password, and type in your email address.
3. Click to agree to the doubleTwist EULA.
4. Click Sign Up.
5. The next screen tells you to check your mailbox for an activation email. Switch to your email application and follow the instructions in the email. After your account is activated, switch back to this screen and click Continue to start using doubleTwist.



First-Time Setup

When you first turn on your Motorola Atrix 4G, you are asked to create a MotoBlur account. MotoBlur is extra software that combines information about all of your online accounts and keeps them all organized. It also backs up your account information to the Motorola servers (called the cloud) so that if you lose your phone or upgrade to a new one, all of your accounts are restored automatically. You cannot complete your Atrix's setup without creating a MotoBlur account.

1. Touch to select your language.
2. Touch Start.
3. Touch Next.



Touch if you already have a MotoBlur account

4. Touch to indicate that you agree with the terms and conditions.
5. Touch Next.
6. Enter your first and last name.
7. Enter your email address. This becomes your MotoBlur ID.
8. Choose a password.
9. Type the password again.
10. Touch Next.
11. Touch Confirm.



4 5



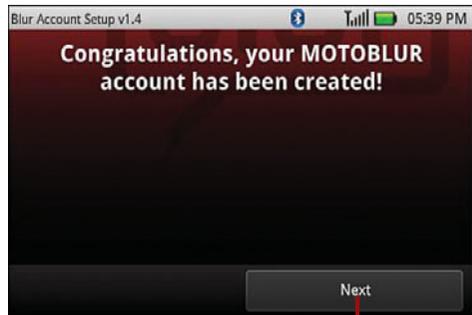
6 7

9 8 10



11

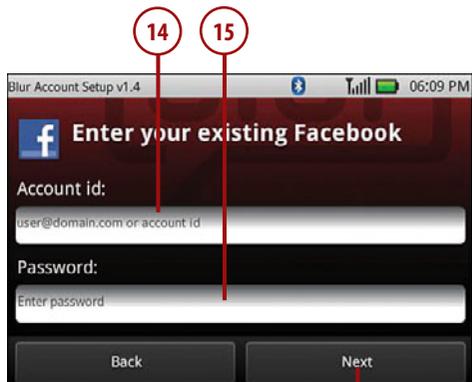
12. Touch Next.
13. Touch an icon to add an extra account to synchronize with MotoBlur. For this example, I used Facebook.
14. Enter your Facebook login.
15. Enter your Facebook password.
16. Touch Next.



12



13

Touch to add accounts later

14

15

16

17. Select from where your contact picture should synchronize. In this example, Facebook should be the only choice.
18. Touch Done to finish creating your MotoBlur account.



Touch to go back and add more accounts

18

17

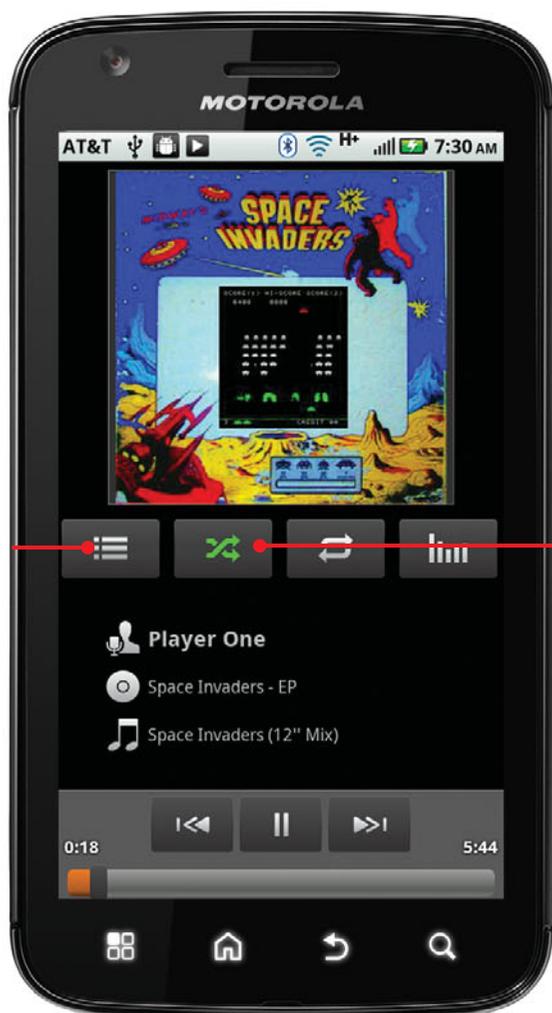
Why Would I Want to Use an Alternative Picture Source?

You can manually change your contact picture on your Atrix, but you might want to let it automatically update based on what profile picture you choose on Facebook and other services. As your mood changes and you update your profile picture on Facebook, for example, why not let that mood also be reflected on your Atrix?

Go Further

ACCESS MOTOBLUR FROM YOUR DESKTOP COMPUTER

If you want to access and configure MotoBlur from your desktop computer, visit <https://portal-blur.svcmot.com/blur-web-portal/>.



Playlist

Shuffle

In this chapter, you learn about your Motorola Atrix 4G's audio and video capabilities, including how your Motorola Atrix 4G plays video and music, and how you can synchronize audio and video from your desktop computer. Topics include the following:

- The Music application for audio and music
- The Gallery application for video
- YouTube
- Using doubleTwist to synchronize audio and video

Audio and Video

Your Motorola Atrix 4G is a strong multimedia smartphone with the ability play back many different audio and video formats. The large screen enables you to turn your Motorola Atrix 4G sideways to enjoy a video in its original 16:9 ratio. You can also use your Motorola Atrix 4G to search YouTube, watch videos, and even upload videos to YouTube right from your phone. You can also connect your Atrix to a television using the supplied HDMI cable, or the optional HD Multimedia Dock.

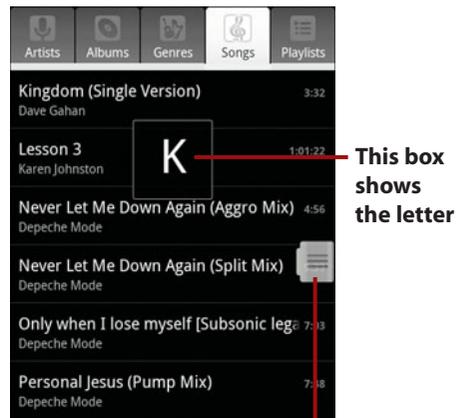
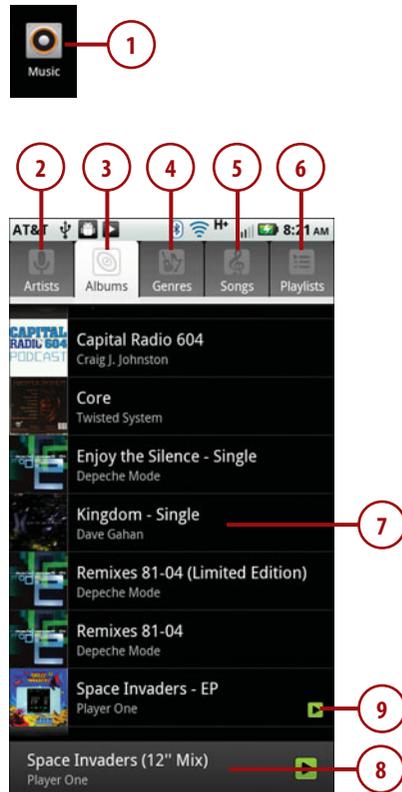
The Music Application—Audio

Let's take a look at how the Music application works and how to enjoy hours of music while you work.

1. Touch the Music icon on the Home screen. The Music application presents you with any music and audio files that you have copied to your Motorola Atrix 4G.
2. Touch the Artists tab to filter the view by artist. Touch an artist's name to reveal songs by that artist and then touch a song to play it.
3. Touch the Albums tab to filter the view by album title.
4. Touch the Genres tab to filter the view by Genre, such as Alternative, Electronic, Pop, and so on. Touch a genre name to reveal songs in the genre and then touch a song to play it.
5. Touch the Songs tab to filter the view by song title. This shows all songs by all artists. Touch a song to play it.
6. Touch the Playlists tab to show any music playlists that you have synchronized to your Motorola Atrix 4G. (I cover how to do that later in the chapter.)
7. Touch an album to show its album cover and the songs on the album.
8. The song that is playing displays at the bottom of the screen.
9. The play icon indicates that this song is currently playing.

Don't Forget the Search Button

One important thing to remember is the Search button. No matter what view you are in, you can always touch the Search button and either type or speak your search.



Move the scroll box up and down to scroll through the alphabet

Go Further

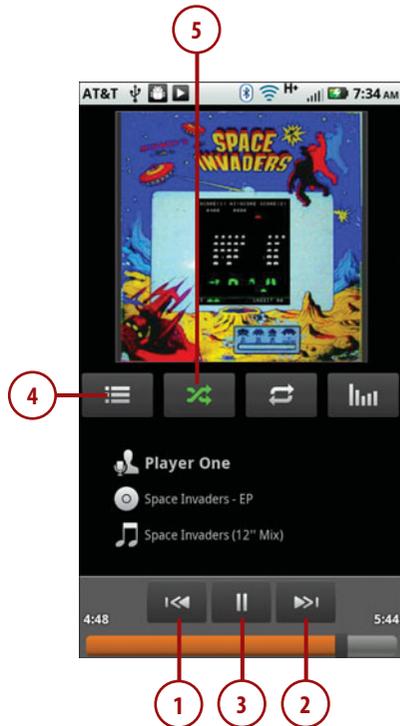
SCROLL BY LETTER

In any view, you can scroll through your albums, artists, or songs quickly by touching the scroll box that pops out on the right of the screen. Move it up and down to jump to items beginning with the letter of the alphabet that shows in the large box. For example, to jump to artists that begin with the letter D, scroll until you see the letter D appear in the large box, and then release the scroll box.

Controlling Playback

While your music is playing, you have some control over how it plays and the selection of music that plays.

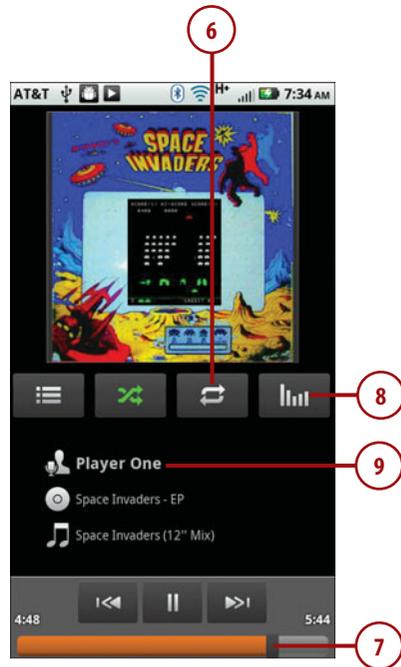
1. Touch to jump to the previous song in the album, playlist, or shuffle. Touch and hold to rewind the song.
2. Touch to jump to the next song in the album, playlist, or shuffle. Touch and hold to fast forward the song.
3. Touch to pause the song. The button turns into the play button when a song is paused. Touch again to resume playing a paused song.
4. Touch to open the current playlist. If the song is not in a playlist, the list of all songs displays.
5. Touch to shuffle the current playlist. This plays the songs in the playlist in random order. If the song is not in a playlist, all songs on your Motorola Atrix 4G are shuffled.



6. Touch to enable repeating. Touch once to repeat all songs, touch again to repeat the current song only (a little 1 is visible on the button), touch again to disable repeating.
7. Drag left or right to skip through the song.
8. Touch to enable and change the Graphical Equalizer settings.
9. Touch and hold the artist, song title, or album name to search the Internet, your music library, or YouTube for items that match.

Searching Based on What You Are Playing

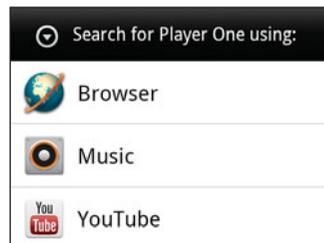
If you touch and hold the artist, song title, or album name, you see a new window pop up that enables you to search the Internet, your music library, or YouTube for items that match the artist, song title, or album name. This enables you to discover more information about the band or song you are listening to, and even watch music videos from the artist on YouTube.



All songs are repeating



The current song is repeating



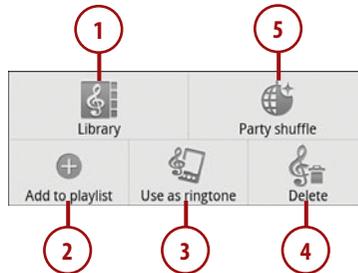
Taking More Actions

While a song is playing, if you touch the Menu button, you can take a few actions on the song.

1. Touch Library to see your entire music library.
2. Touch Add to Playlist to add the current song to a playlist. Read more about playlists later in the chapter.
3. Touch Use as Ringtone to make the song the current ringtone.
4. Touch Delete to delete the current song. Confirm the deletion on the next screen.
5. Touch Party Shuffle to let your Motorola Atrix 4G start the Party Shuffle feature.

Your Motorola Atrix 4G Is the Party DJ

When you enable Party Shuffle, your Motorola Atrix 4G creates an on-the-fly playlist and chooses 12 random tracks for it. As it nears the end of the playlist, it adds another 12 random tracks. It keeps doing this until your turn off Party Shuffle.



Working and Listening to Music

While your music is playing, you can continue using your Motorola Atrix 4G without interrupting the music.

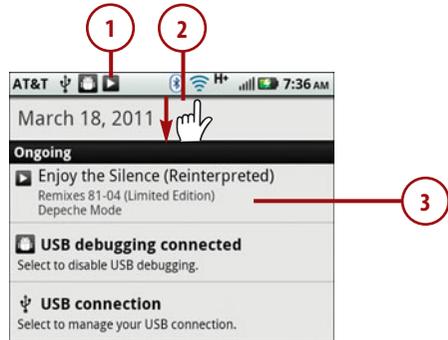
1. To work on other applications while listening to music, touch the Home button. The notification bar displays an icon indicating your music is still playing.
2. To switch back to the currently playing song, pull down the notification bar.
3. Touch the song.

Music Widget

There is a music widget pre-loaded on your Atrix. You can find it on the second screen to the right of the Home screen. This widget displays the currently playing song along with buttons to pause, play the song, and jump to the next song. Touching the song name opens the full Music application and shows that song playing.

What If I Get a Call?

If someone calls you while you are listening to music, your Motorola Atrix 4G pauses the music and displays the regular incoming call screen. After you hang up, the music continues playing.



Music widget



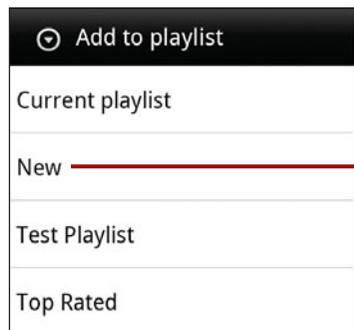
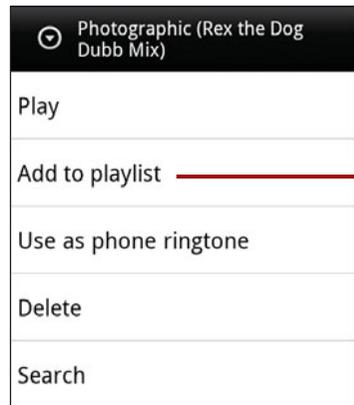
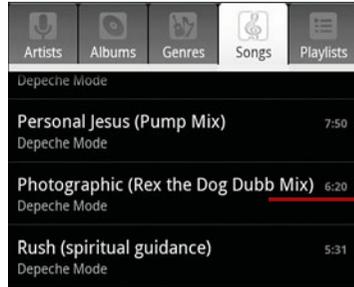
Managing Playlists

Playlists enable you to group songs together. Here is how to create them and use them.

Creating a New Playlist on Your Motorola Atrix 4G

To create a new playlist, you must already know the first song you want to add to it.

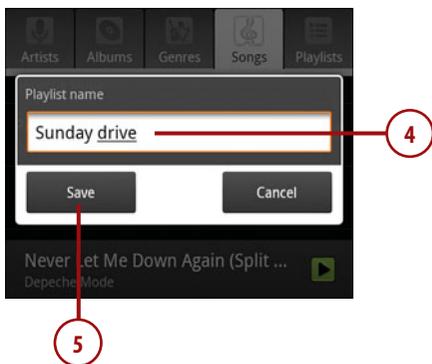
1. Touch and hold a song.
2. Touch Add to Playlist.
3. Touch New.



4. Type in the name of the playlist.
5. Touch Save.

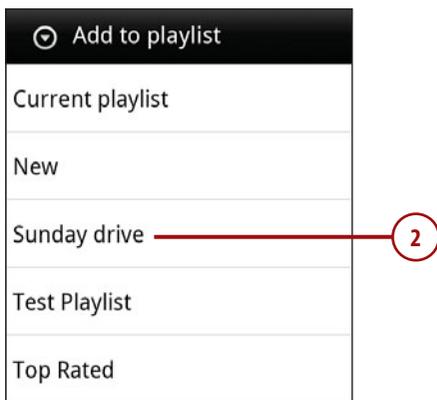
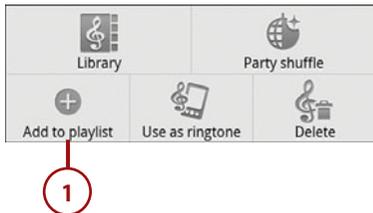
Create a Playlist While Listening

You can create a playlist while listening to the song you want to use to create that playlist with. Touch the Menu button and choose Add to Playlist.



Adding a Song to an Existing Playlist

1. While listening to a song, touch the Menu button. Then touch Add to Playlist.
2. Touch the playlist you want to add the song to.

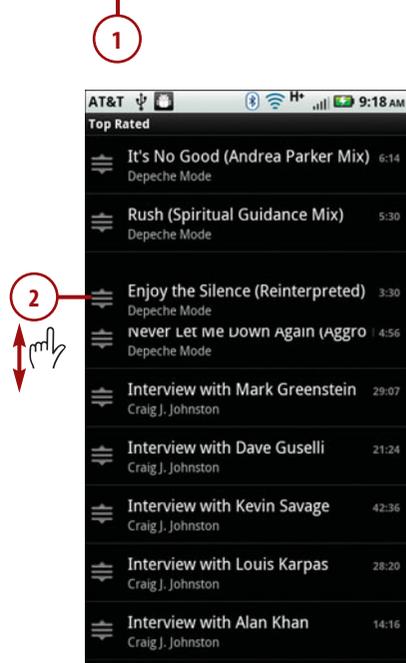
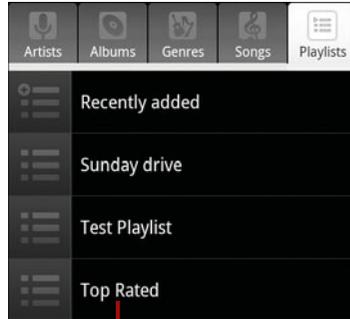


Add to Playlist from Library

You can also add a song to a playlist when viewing your song library. Touch and hold on a song; then choose Add to Playlist.

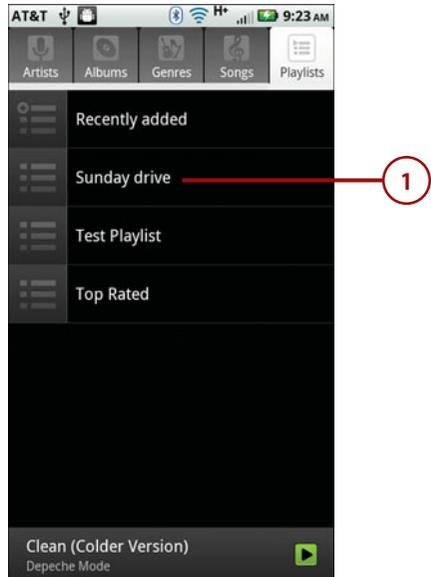
Rearranging Songs in a Playlist

1. Touch a Playlist to show the songs in it.
2. Touch and hold the three lines to the left of a song you want to move. Move that song up and down until it is in the right place; then release it.



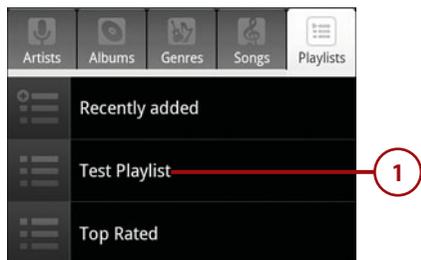
Deleting a Playlist

1. Touch and hold the playlist that you want to delete.
2. Touch Delete.



Renaming a Playlist

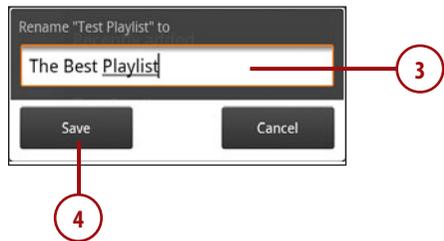
1. Touch and hold the playlist that you want to rename.



2. Touch Rename.
3. Type in the new name for the playlist.
4. Touch Save.

Songs Not Deleted

When you delete a playlist, remember that the songs listed in them are not deleted from your Motorola Atrix 4G. Playlists are just groupings of song names.



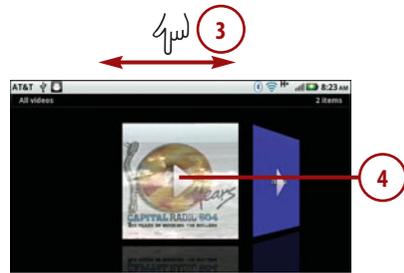
Playing and Sharing Videos with the Gallery Application

The Gallery application enables you to view pictures and video, and share pictures and video with people via MMS, Bluetooth, YouTube, and email. I cover viewing and sharing videos in this chapter and cover pictures in Chapter 9, "Taking, Storing, and Viewing Photos."

1. Touch the Gallery icon to launch the Gallery application.
2. Touch All Videos.



3. Swipe left and right to scroll through your videos.
4. Touch a video to load it.
5. Touch to start playing the video.
6. Touch the video while it is playing to reveal the control bar.
7. Touch to pause the video.
8. Drag left and right to move rapidly forward and backward through the video.
9. Touch to see information about the video.



Sharing Videos

You can share videos with people using text messaging, email, uploading them to photo sites, or posting them to YouTube. Here is how.

1. Touch the Menu button while playing a video.
2. Touch to start the process of sharing your video.
3. Choose a method of sharing your video. Read the following section for specifics about sharing the video through each of the available options.



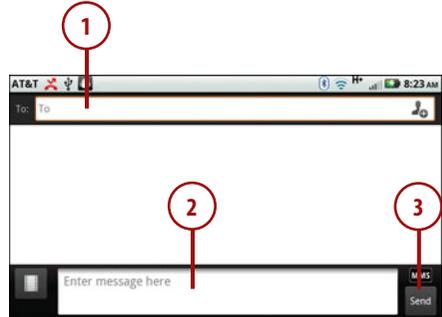
Small Video Size

You can only share very small videos from your Motorola Atrix 4G. The video file size cannot exceed 3 Mb, which is about one minute of high-quality video or about two minutes of low-quality video. This is true for all types of video sharing, except for text messaging, where the videos can be only 30 seconds long.

Sharing Video Using MMS (Text Messaging)

Share a video using an MMS text message by completing the steps in the “Sharing Videos” section and then completing the following steps.

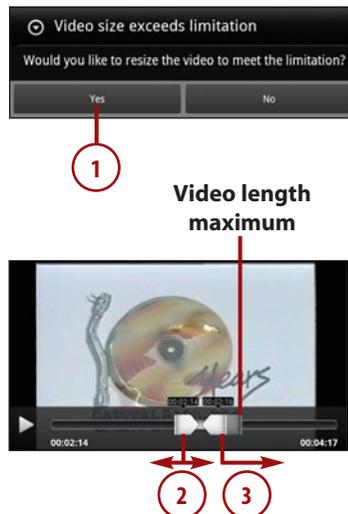
1. Address the MMS.
2. Type an optional message to go with the video.
3. Touch Send to send the MMS.



Resizing a Video for MMS

You cannot send large video files via MMS, so you often see a message asking if you want to resize the video.

1. Touch Yes to resize the video or make it shorter.
2. Use the sliders to make the video shorter.
3. Drag a slider past the maximum or minimum length to pull both sliders left or right. This adjusts the portion of the video that you want to send.



4. Touch the Menu button and then touch Resize to resize the video, which can help give you an extra few seconds.
5. Touch either QCIF to resize your video to 176 pixels wide by 144 pixels tall (which is very small) or QVGA to resize your video to 320 pixels wide by 240 pixels tall.
6. Touch OK.
7. Touch the Menu button and then touch Done to have the video resized and cropped the way you have chosen. The message is sent via MMS.

Size Versus Length

The smaller you resize your video, the longer the video can be. Of course, a video that is very small loses a lot of clarity and can become too pixelated and grainy to be of much use. So, choose your selection wisely. If you find that you need to shrink your video to a size too small, choose a different method of sharing—for example share via email, which has a much larger attachment size limitation.



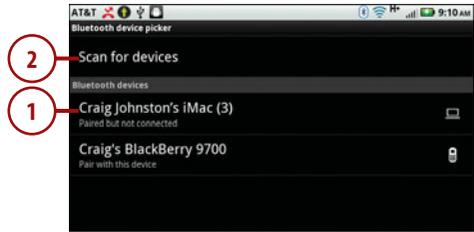
Sharing Video Using Bluetooth

Share a video using Bluetooth by completing the steps in the “Sharing Videos” section and then completing the following steps.

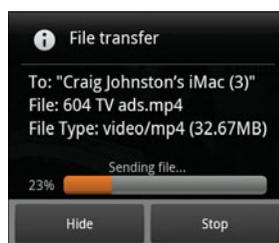
1. Touch the previously paired Bluetooth device. If the paired device accepts Bluetooth file sharing, the video is sent. I cover how to pair Bluetooth devices in Chapter 4, “Connecting to Bluetooth, Wi-Fi, and VPNs.”
2. Touch Scan for Devices if you have previously not paired with the device.
3. After the scan is complete, touch the device you want to pair with.
4. Touch Pair to confirm that the pairing passkey is the same on your Atrix as it is on the device you are pairing with.
5. Touch the device you have now paired with to start the file transfer.
6. While the file is transferring, you see an icon in the notification bar indicating the transfer is in progress.

Cancel the Bluetooth Transfer

If you want to cancel the Bluetooth file transfer, pull down the notification bar. Touch the file transfer in progress. Touch Stop to stop the transfer.



Bluetooth transfer notification



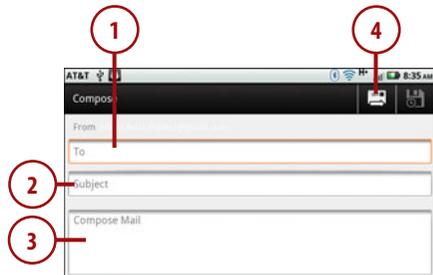
Bluetooth Sharing Might Fail

Many phones do not accept incoming Bluetooth files, but devices like computers do. Even on computers, the recipient must configure her Bluetooth configuration to accept incoming files.

Sharing Video Using Email or Gmail

Share a video using email or Gmail by completing the steps in the “Sharing Videos” section and then completing the following steps.

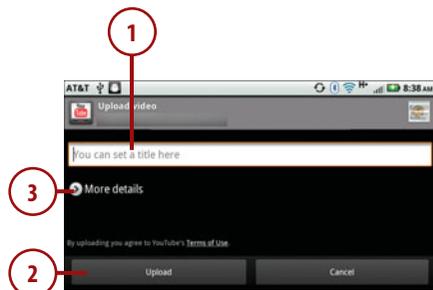
1. Address the email.
2. Type an optional subject.
3. Type an optional message.
4. Touch to send the email.



Sharing Video on YouTube

Share a video using YouTube by completing the steps in the “Sharing Videos” section and then completing the following steps. If you have not previously entered your YouTube account credentials, you are prompted to do so before you can upload your video.

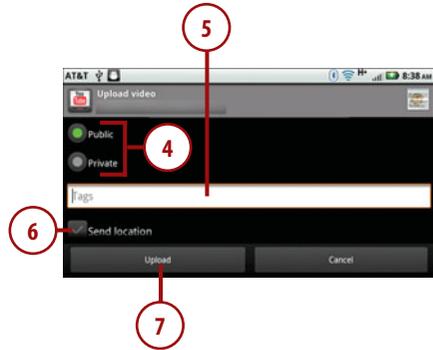
1. Enter the title of your video.
2. Touch to upload your video.
3. Touch to set additional information for your video, such as marking it as public or private.



4. Choose whether your video should be public (which is the default) or private.
5. Enter tags or keywords for your video.
6. Touch to send the GPS coordinates or location of where you recorded the video.
7. Touch to upload the video to YouTube.

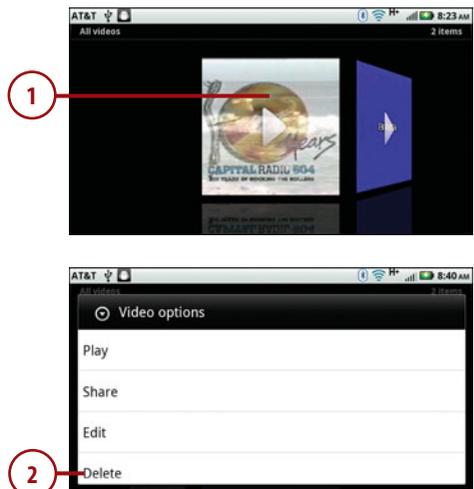
Beware of Sending Your Location

Be very careful when choosing to include the GPS coordinates in a video you are uploading to YouTube. If you recorded the video at your house, you might not want people knowing exactly where you live. If you recorded the video at an event, restaurant, or concert, however, it is probably OK to include the GPS information.



Deleting Videos

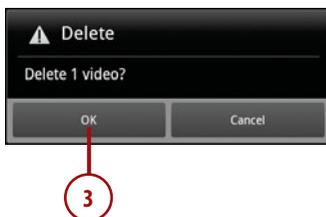
1. Touch and hold on a video that you want to delete.
2. Touch Delete.



3. Touch OK.

More Details About Your Video

To see more details about a specific video, touch More and then touch Details while the video is selected. The application displays the title, the type of video (for example, 3GPP, MP4), the date the video was created, the album it is in, and the GPS location (if this is available).



Recording Videos with the Camera Application

The Camera application enables you to take pictures, record video, and upload video straight to YouTube. We cover the video recording and upload features of the Camera application in this chapter. Using the Camera application to take pictures is covered in Chapter 9.

Recording Video

1. The Camera application should be on the Home screen. Touch to launch it.
2. Touch anywhere on the screen to reveal the menu, and then touch Switch To to switch to the video camera.
3. Touch to start recording.



Touch to reveal the menu



It's Not All Good

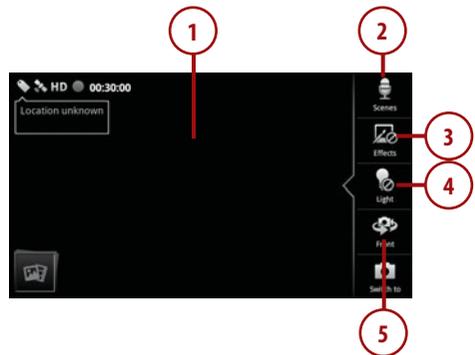
Video Focusing Is Off

While the camera is in still camera mode, when you take pictures, your Motorola Atrix 4G can focus the image using a mechanical auto-focus feature. While recording videos, however, the focus remains frozen; if you bring your Motorola Atrix 4G too close to someone or something, the video goes out of focus.

Changing Video Settings

Before you record a video, you can change some settings that can alter how the video is recorded.

1. Touch anywhere on the screen to reveal the menu.
2. Touch to select the Scene mode. Your choices of scenes are Everyday, Outdoors, and Concert.
3. Touch to select if any video effects are added as you record. Your choices for effects are Normal, Black and White, Negative, Sepia, and Solarize.
4. Touch to turn the camera light on and off. Turning the light on can help when recording in low light or darkness.
5. Touch to switch between the back and front camera.



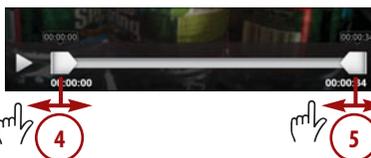
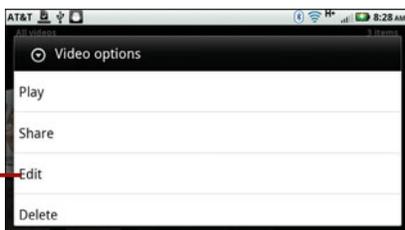
Why Use the Front Camera?

The front camera is a much lower quality, and outside of the camera application, you would use it for video chat. While recording video, however, you might want to use it to record yourself because it is easier to line up the camera on your face while looking at the screen.

Editing Video

After recording your video, you might want to edit it or even add a title to the beginning before sharing it with friends.

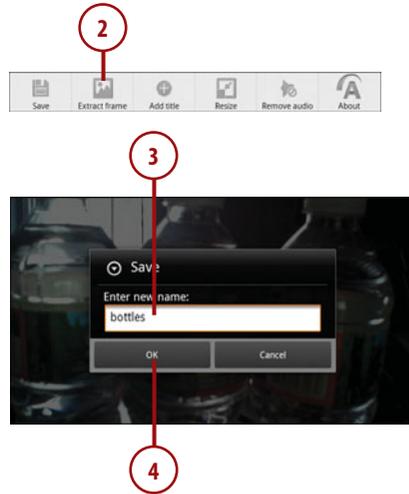
1. Touch and hold on the video you just recorded in the Gallery application.
2. Touch Edit.
3. Touch Video.
4. Slide the left slider to adjust the point where the video should start.
5. Slide the right slider to adjust the point where the video should end.
6. Touch the Menu button to reveal more options.
7. Touch Save to save the video.
8. Touch Extract Frame to extract a frame from the video and save it as a picture.
9. Touch Add title to add a title sequence to the video.
10. Touch Resize to resize the videos dimensions.
11. Touch Remove Audio to remove the audio from the video.



Extracting a Frame from the Video

You might find a frame of video that would be great to keep as a picture. You can extract any frame of video as a picture.

1. While editing the video, find a frame in the video that you want to save as a picture by playing the video and pausing it on the frame.
2. Touch the Menu button and then touch Extract Frame.
3. Type a name for the picture.
4. Touch OK.



Resizing a Video

The dimensions of a video affect how large the video file is. If you want to share your video with friends and family, you might want to resize it so that it is quicker to transfer.

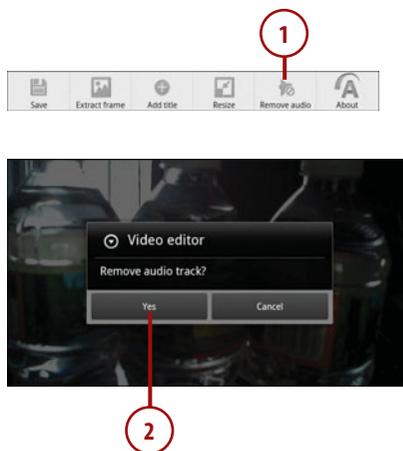
1. While editing the video, touch the Menu button and touch Resize.
2. Choose a new size. QCIF is 176 pixels \times 144 pixels, QVGA is 320 pixels \times 240 pixels, and VGA is 640 pixels \times 480 pixels.
3. Touch OK.



Remove Audio from a Video

Sometimes you need to remove the audio track from a video. This could be because of unwanted sounds, or if you're uploading to YouTube, copyrighted music playing in the background.

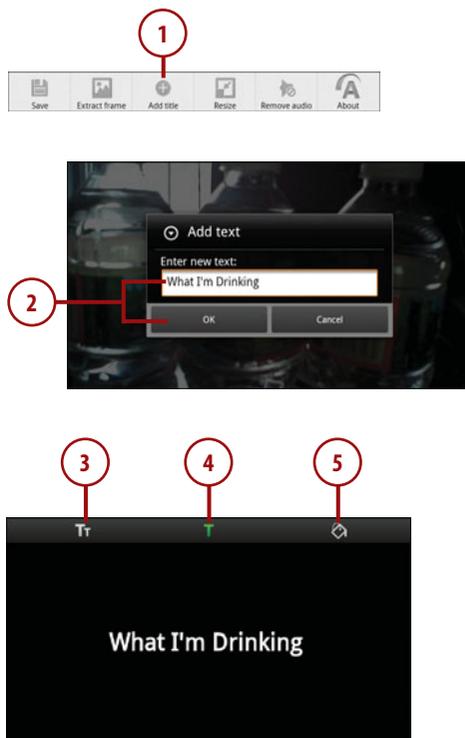
1. While editing the video, touch the Menu button and touch Remove audio.
2. Touch Yes.



Adding a Title Sequence to Your Video

Adding a title to your video adds that little bit of extra professionalism to it. Here is how.

1. While editing the video, touch the Menu button and touch Add Title.
2. Enter the title of your video and touch OK.
3. Touch to change the size of the text. Your choices are Small, Medium, and Large.
4. Touch to change the color of the text.
5. Touch to change the background color. This changes the entire screen to the color you choose while the text title text is displayed.
6. Touch the Menu button to reveal more choices.



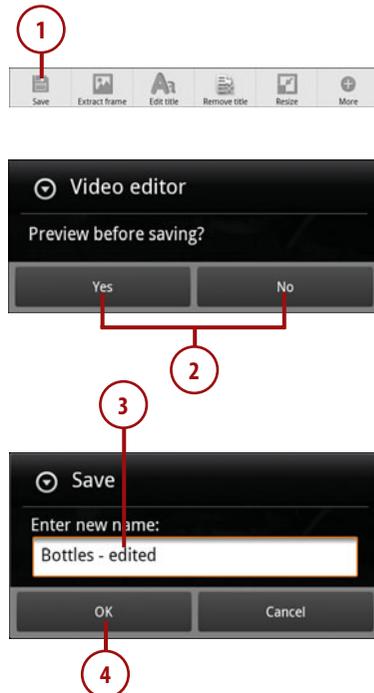
7. Touch Change Text to edit the title text.
8. Touch Duration to change the how long the title text stays on-screen. Your choices are 2, 5, and 10 seconds.
9. Touch Cancel if you decide against having title text.
10. Touch Save to save the title sequence.



Saving Your Edited Video

After you have finished editing your video, you can save it. Remember that your edited video is saved as a new video, and the original remains intact.

1. While editing the video, touch the Menu button and touch Save.
2. Choose whether you want to preview the video before saving it.
3. Type in a new name for your edited video.
4. Touch OK.

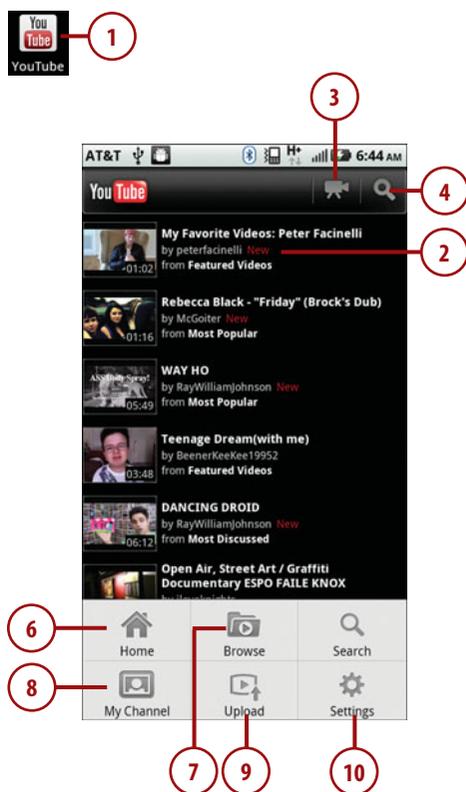


YouTube

Your Motorola Atrix 4G comes with a YouTube application that enables you to find and watch videos, rate them, add them to your favorites, and share links to YouTube videos. The YouTube application even enables you to upload new videos.

YouTube Main Screen

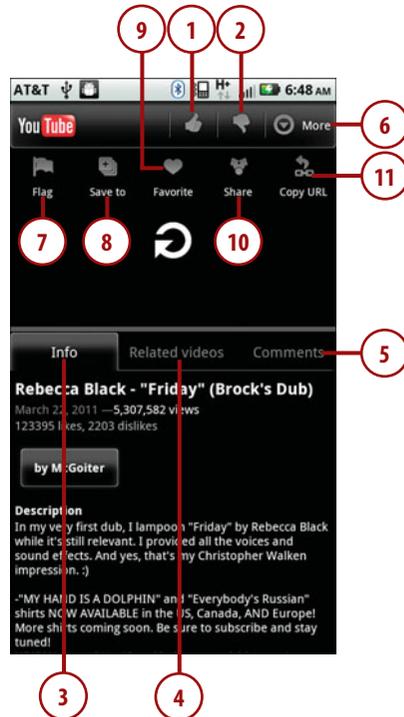
1. Touch the YouTube icon on the Home screen to launch the application.
2. Touch to play a video.
3. Touch to record a video and upload it to YouTube.
4. Touch to search for a video on YouTube.
5. Touch the Menu button to reveal more options.
6. Touch Home to return to the YouTube home screen.
7. Touch Browse to browse YouTube by category.
8. Touch My Channel to show your YouTube channel, if you have one.
9. Touch Upload to upload a video from your video library to YouTube.
10. Touch Settings to change the YouTube settings.



Playing a Video

While playing a YouTube video, you can rate the video, read video comments, and share the video with someone.

1. Touch the thumbs-up icon to indicate that you like the video.
2. Touch the thumbs-down icon to indicate that you do not like the video.
3. Touch the Info tab to see information about the video.
4. Touch the Related Videos tab to see videos about the same topic or by the same YouTube user.
5. Touch the Comments tab to read comments YouTube users have made about the video and write your own comment.
6. Touch More to see more options.
7. Touch Flag to flag the video as inappropriate.
8. Touch Save To to save the video to your YouTube account so you can find it more easily next time.
9. Touch Favorite to mark the video as one of your favorites.
10. Touch Share to share a link to the video with friends via Bluetooth, Email, Facebook, Gmail, Google Voice, Text Messaging, or Twitter.
11. Touch Copy URL to copy the direct link to the video to the device clipboard.



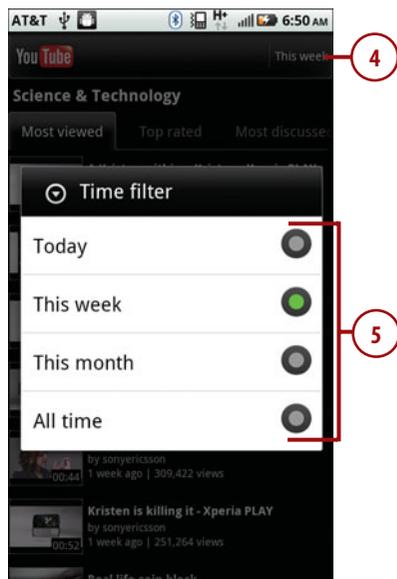
Play the Video Full Screen

When you start playing a YouTube video, it appears small. To play the video full screen, just rotate your Atrix onto its side, and the video switches to playing full screen.

Filtering Videos

When you first open the YouTube application, you are presented with the Featured videos. You can view videos from a specific category and also filter videos within a category by how recently they were posted.

1. Touch the Menu button, and touch Browse.
2. Touch a category of videos that you would like to see, such as Science & Technology.
3. Scroll up and down to see all of the categories.
4. Touch to filter the videos by time.
5. Choose your time filter.



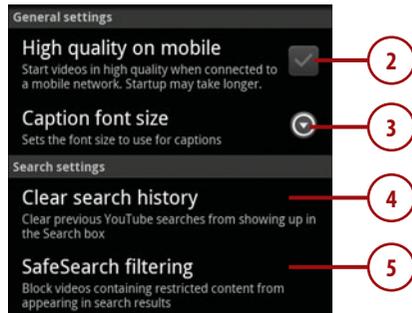
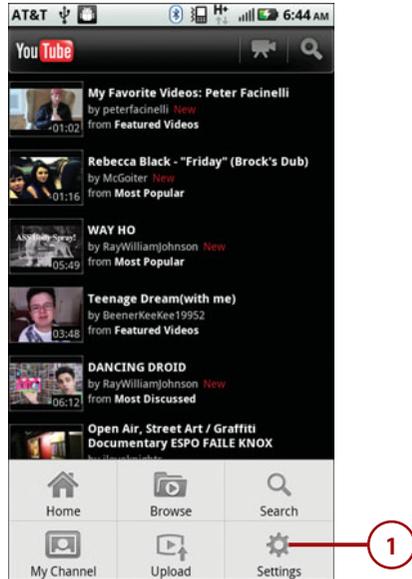
Changing YouTube Settings

If you want to clear your YouTube search history or change the caption font size, you can do this in the YouTube application's settings screen.

1. Touch the Menu button while looking at the main YouTube screen, and then touch Settings.
2. Touch High Quality on Mobile to start YouTube videos in high quality. Because high-quality videos are bigger, it might take longer to start playing them, but the quality is worth it.
3. Touch Caption Font Size to change the font size of video captions. Your choices are Small, Medium, Large, and Extra Large.
4. Touch Clear Search History to clear your YouTube search history.
5. Touch SafeSearch Filtering to block inappropriate videos and comments.

What Is Inappropriate Content?

When you enable SafeSearch Filtering, you are not able to view videos or video comments that contain nudity, violence, narcotics, and pornography.



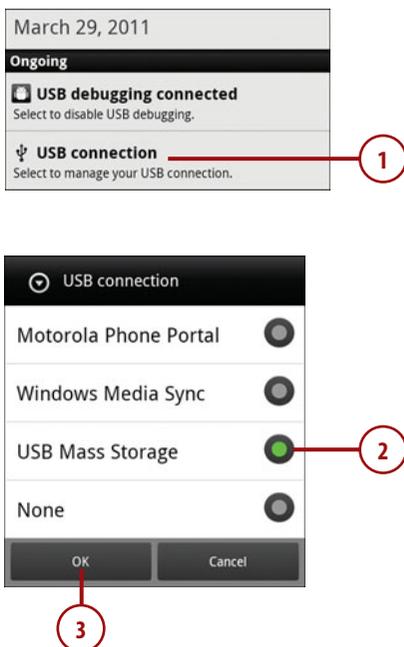
Using doubleTwist to Synchronize Audio and Video

You might already have a large music collection on your computer and maybe some movies and videos you want to copy over to your Motorola Atrix 4G. You can use a free program called doubleTwist to do this. We went through the steps of installing and setting up this application in the Prologue. If you haven't installed it yet, skip back to the Prologue and follow the instructions.

Running doubleTwist and Mounting Your Motorola Atrix 4G

When you use doubleTwist, you need to connect your Motorola Atrix 4G to your computer using the supplied USB cable and mount it as a new drive. Get started by launching doubleTwist on your computer and connecting your Motorola Atrix 4G via the USB cable.

1. Pull down the notification bar and touch USB Connection.
2. Touch USB Mass Storage.
3. Touch OK.



It's Not All Good

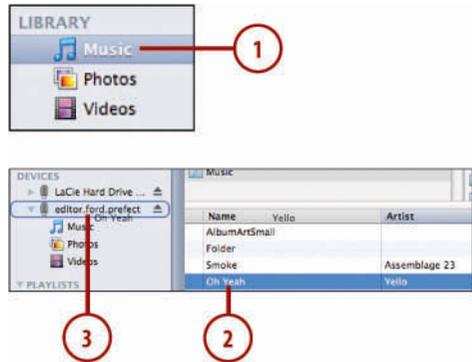
Slow Device Support

As of the writing of this book, doubleTwist had not updated its software to support the Motorola Atrix properly. This means that when the Atrix is connected, doubleTwist doesn't see it as a phone, but rather a regular USB drive. Music synchronization works normally, but it is not possible to synchronize video to the Atrix because doubleTwist does not know what device it is. Hopefully by the time you are reading this, doubleTwist will have been updated.

Synchronizing Music by Dragging It

After your Motorola Atrix 4G is visible in doubleTwist, you can drag music to it.

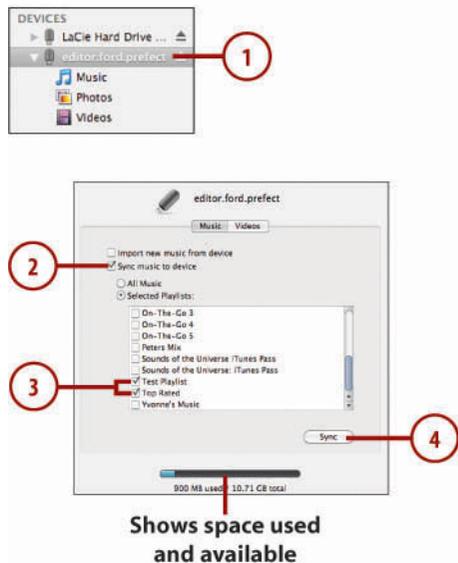
1. Click Music in doubleTwist to see all the music on your computer.
2. Find the song you want to drag to your Motorola Atrix 4G.
3. Click and drag it down to your Motorola Atrix 4G (it might show as MB860) under DEVICES. You should see a green plus icon when your mouse is hovering over your Motorola Atrix 4G. When you drop the song on your Motorola Atrix 4G, doubleTwist copies it over.



Synchronizing Existing Playlists

If you have iTunes installed, you might have already created playlists of music. You can use doubleTwist to synchronize those playlists.

1. Click your Motorola Atrix 4G under DEVICES. It might show as MB860.
2. On the right of the screen, you see any existing playlists. Put a check mark next to Sync Music to Device.
3. Put a check mark next to any playlists you want to synchronize to your Motorola Atrix 4G.
4. Click Sync.



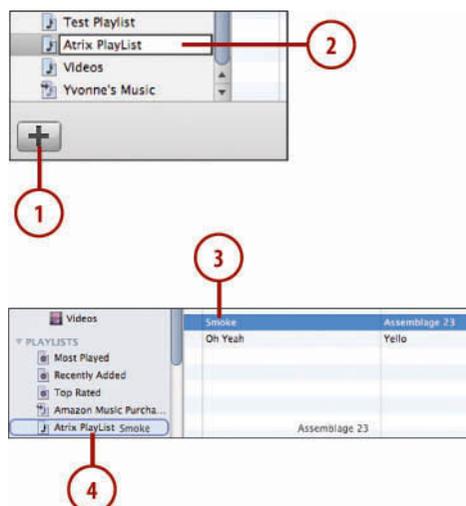
Sync All Music

You can choose to synchronize all music, but if your music collection is large, it might not fit on your Motorola Atrix 4G. Remember that all music and video is copied to the Micro-SD card you insert under the battery cover, so the more music you want to synchronize, the larger that memory card needs to be. The maximum Micro-SD card supported by your Atrix is 48GB.

Creating Playlists in doubleTwist

If you are using iTunes to synchronize playlists, you can create new playlists in iTunes and use doubleTwist to synchronize the music. However, if you don't use iTunes, or you want to create playlists outside of iTunes, you can create them in doubleTwist.

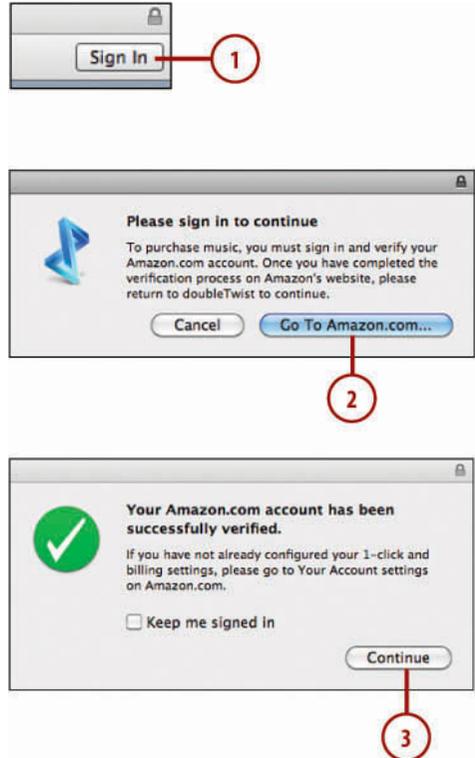
1. Click the new playlist button in doubleTwist.
2. Type the name of your new playlist.
3. Find music on your computer in the Music section of doubleTwist.
4. Drag that music to your newly created playlist. When you've added songs to the playlist, repeat the steps in the "Synchronize Existing Playlists" section to move the playlist to your Motorola Atrix 4G.



Using doubleTwist with the Amazon MP3 Music Store

You can use doubleTwist to purchase music from the Amazon MP3 music store. You first need to register with Amazon.com and set up a method of payment.

1. Click on Music Store under the DOUBLETWIST heading and then click Sign In.
2. The first time you try to use doubleTwist to purchase music from Amazon, you see a warning telling you to sign in to your Amazon account using a web browser. Click Go to Amazon.com to continue.
3. Complete the process online. When you're done, you see a confirmation message in doubleTwist. Click Continue to use the Music Store.

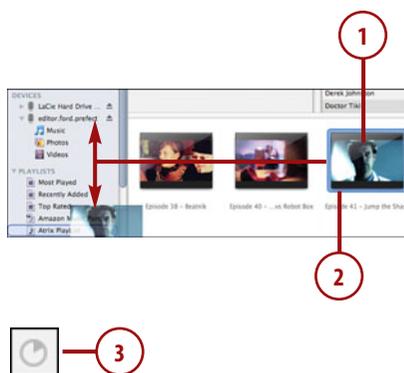


Copying Video

Normally you need to manually convert your video to work on mobile devices. This involves figuring out the screen size and CODECs to use.

doubleTwist has a great feature that automatically converts the video for you as you drag it onto your Motorola Atrix 4G.

1. Click Movies under DOUBLETWIST. Find the video or movie you want to copy to your Motorola Atrix 4G.
2. Drag the video to your Motorola Atrix 4G or to an existing playlist. If the video is in your iTunes archive, even if it has no DRM, you won't be able to drag and drop it.
3. A pie chart indicator shows the progress of the video conversion. After the pie chart fills up, it disappears to indicate that the video has been successfully moved.



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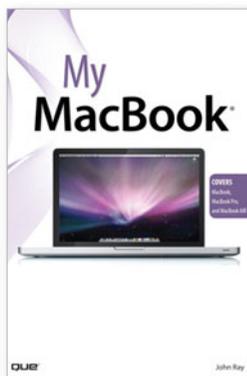
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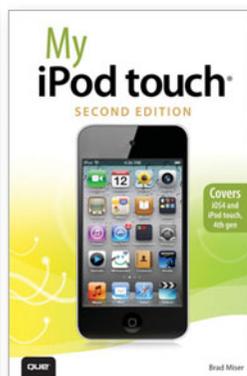
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