My Nexus One™

Craig James Johnston

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Craig James Johnston

que®
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My Nexus One™

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7:41 AM
ASTRO
Browser
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Calendar
Camera
Car Home
Clock
Contacts
Email
Facebook
Gallery
Gmail
Goggles
Maps
Market
Messaging

Prologue

P

In this prologue, you learn about the external features of the Nexus One and the basics of getting started with your Nexus One. Topics include the following:

- Your Nexus One's external features
- Fundamentals of Android
- Installing synchronization software

Getting to Know Your Nexus One

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

Your Nexus One's External Features

The outside of your Nexus One was designed to be beautiful and functional. It has a large screen, silky feel, and physical and virtual buttons. Let's take a look.

Proximity and light sensors The proximity sensor detects when you place your Nexus One 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 Nexus One's screen based on the brightness of the ambient light.

Status light Indicates the state of your Nexus One's battery. Green means your Nexus One is fully charged when you have it connected to a charger. Amber means that your Nexus One is charging. Flashing red means your Nexus One's battery is low.

Touchscreen The Nexus One has a 480×800 pixel AMOLED (Active Matrix Organic Light Emitting Diode) screen with capacitive touch, which does not require back light and therefore saves on battery life and produces vivid colors. 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 Nexus One 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 Nexus One searches on your phone and on the Internet for content that matches the search term.

Trackball Allows you to scroll around the screen and click on things. Also changes colors to indicate certain alerts. Flashes white when there is an incoming call. Flashes blue if you are using a Bluetooth headset and a call comes in. Pulses white when you have received something new, like a new email or new IM.

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.

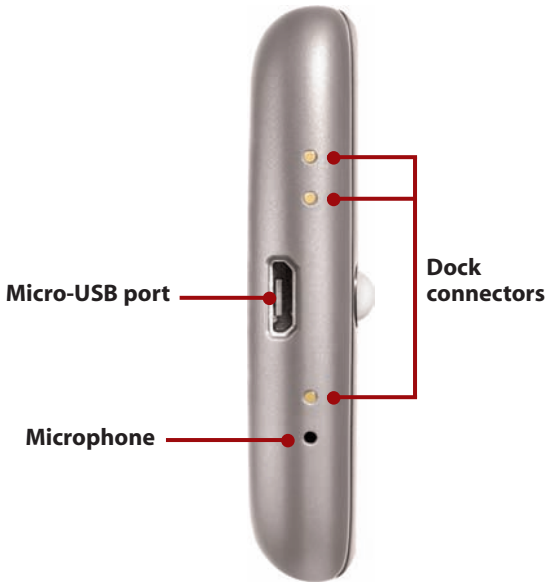
Speaker Audio is produced when speakerphone is in use. Keep your Nexus One on a hard surface for the best audio reflection.

Noise cancellation microphone With this microphone, which picks up ambient noise, and the main microphone, your Nexus One can more accurately determine how to enhance your voice and reduce background noise while you are on the phone.

Back cover Press firmly on the back cover to slide it upward when you need to swap the battery, Micro-SD card, or your SIM card.

Power button Press once to wake up your Nexus One. Press and hold for one second to reveal a menu of choices. The choices allow you to put your Nexus One into silent mode, airplane mode, or power it off completely.

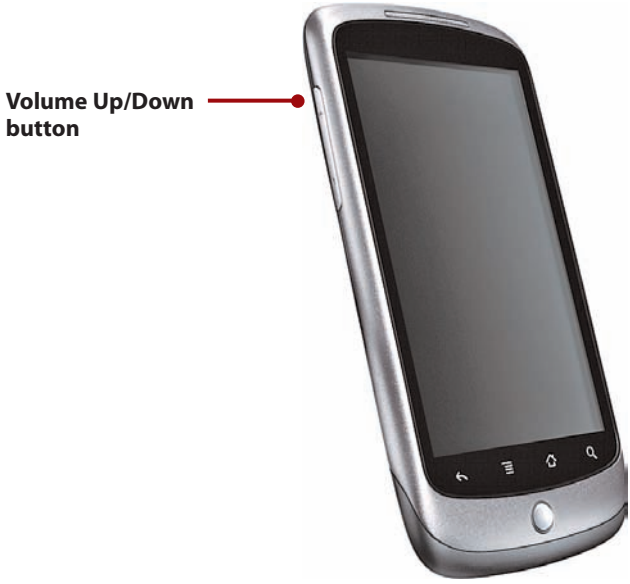
3.5 mm headphone jack Plug in your Nexus One or third-party headsets to enjoy music and talk on the phone.



Dock connectors If you purchase the optional desktop or car dock for your Nexus One, these contacts make contact with the dock to charge it and launch the appropriate application.

Micro-USB 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.

Microphone This microphone picks up your voice when you are on the phone. Your Nexus One 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.



Volume Up/Down button Use this button to control audio while playing music, watching a video, or talking on the phone.

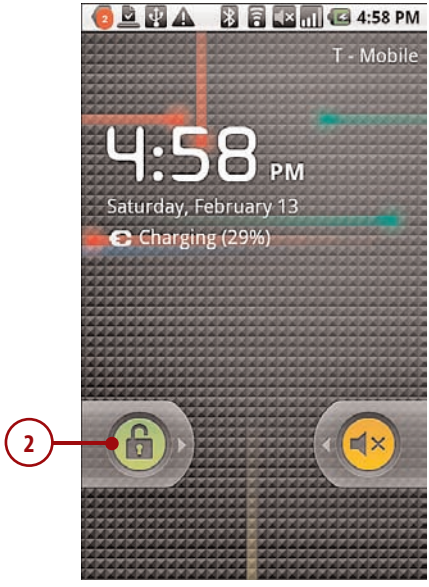
Fundamentals of Android

Your Nexus One is run by an operating system called Android. Android was created by Google to run on any Smartphone, 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 may have made. Let's go over how to use Android.

The Unlock Screen

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

1. Press the power button on the top left of your Nexus One.
2. Slide the green padlock button to the right. This unlocks your Nexus One.

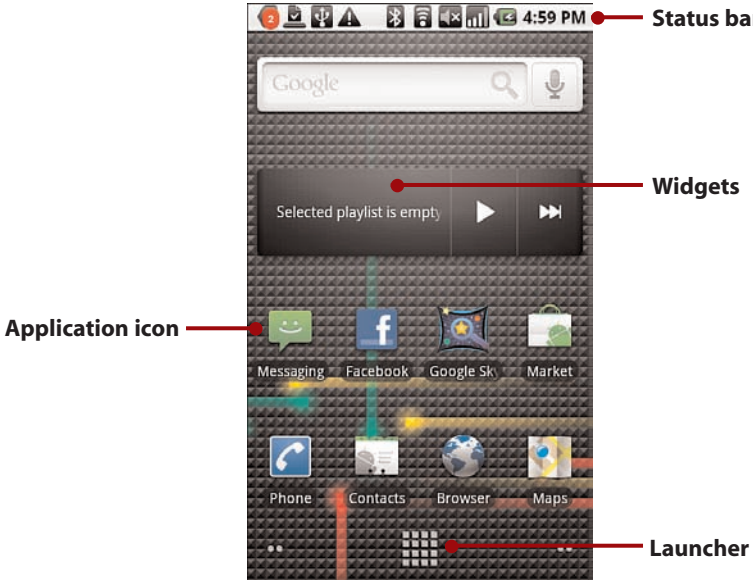


Silence Your Nexus One

On the unlock screen, there is a second button. This button allows you to silence your Nexus One 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

Once you unlock your Nexus One, 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.

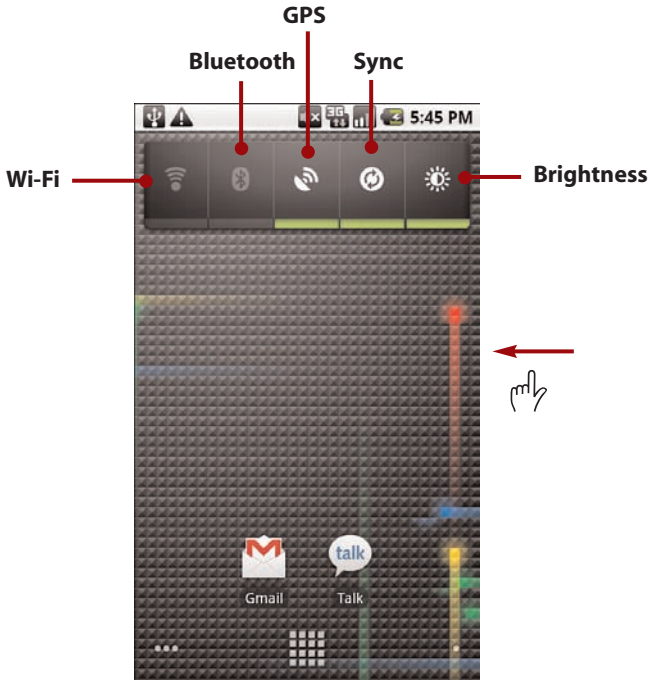
Launcher Touch the Launcher icon to show application icons for all applications that you have installed on your Nexus One.

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. Once the status bar has been pulled down, touch on a notification to be taken to the appropriate application.

Your Nexus One's Home screen is actually comprised of five parts, or five screens. To see the other parts or screens, touch your finger on the right part of the screen and swipe to the left. You then see another part of the Home screen.



This screen contains a widget that allows you to quickly and easily manage your Nexus One's radios, like Wi-Fi, Bluetooth, and GPS, real-time synchronization, and control screen brightness.

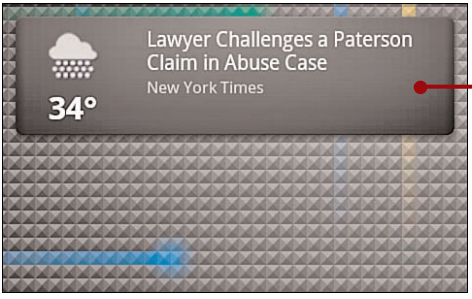
If you swipe to the left one more time, you see another screen that is blank.

Now swipe twice to the right to reveal the screen to the left of the main Home screen.

This screen contains a weather and news widget. These widgets update in real-time.

If you swipe to the right one more time, you see another screen that is blank.

Swipe left twice to get back to the main Home screen.



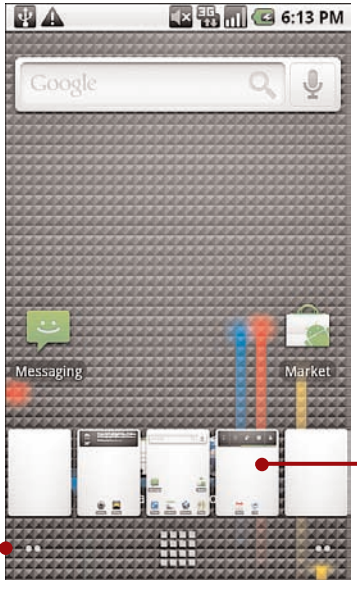
Weather and news widget

>>> Go Further

WHAT ARE THOSE DOTS?

The small dots you see on the bottom left and right of the screen serve two purposes. They visually indicate how many screens there are to the left and right of where you are. For example, if you are on the main (or middle) screen, you see two dots on the bottom left, and two on the bottom right. If you swipe right, you see one dot on the bottom left, and three on the bottom right, indicating that there is one screen to your left, and three to your right.

If you touch and hold the dots, you see small thumbnail images of each screen. Touch the thumbnail of the screen you want to switch to.



Tap a thumbnail to jump to that screen

Tap and hold to reveal thumbnails of each screen

Using Your Nexus One's Touchscreen

Interacting with your Nexus One is done mostly by touching the screen, what's 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-tap Double-tapping is like double-clicking a mouse on a desktop computer. Tap the screen twice in quick succession. You can double-tap a web page to zoom in to part of that page. Double-tap also works in the camera application. Double-tap 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.

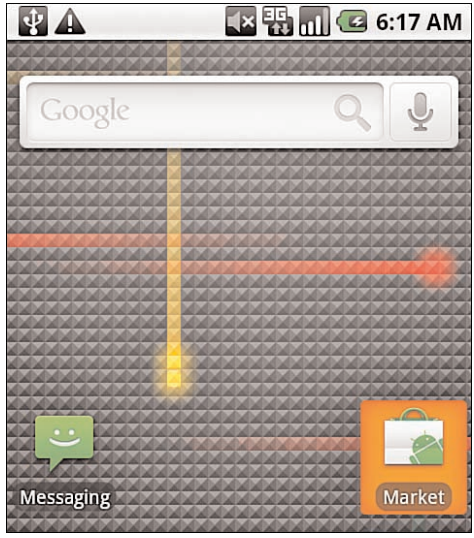
Rotate the screen If you rotate your Nexus One from an upright position to being on its left side, the screen switches from portrait view to landscape view. Most applications honor the screen orientation. The Home screen does not.

Your Nexus One's Trackball

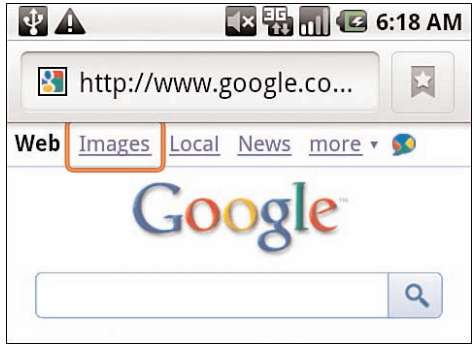
While you can do all things with your Nexus One by touching the screen, sometimes you may find it easier to use the trackball to navigate and select icons, links on web pages, or small objects on the screen such as calendar entries.

To move around a screen or applications using the trackball, lightly touch the trackball with your thumb, and move it in all directions. As soon as your

Nexus One detects that you are navigating with the trackball, you see an orange block that highlights what you are currently hovering over.



To select the icon or link on a web page that you are hovering over, press down on the trackball.



Using Your Nexus One's Keyboard

Your Nexus One has a virtual, or onscreen keyboard for those times when you need to enter text. You may 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.

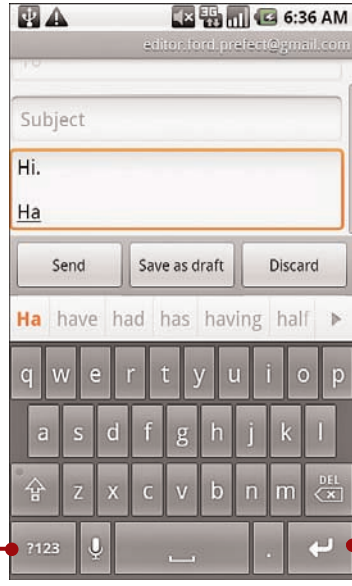
Some applications automatically show the keyboard when you need to enter text. If the keyboard does not appear, touch the area where you want to type and the keyboard slides up ready for use.

As you type, your Nexus One makes word suggestions. Think of this as similar to the spell checker you would see in a word processor. Your Nexus One uses a dictionary of words to guess what you are typing. If the word you were going 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.

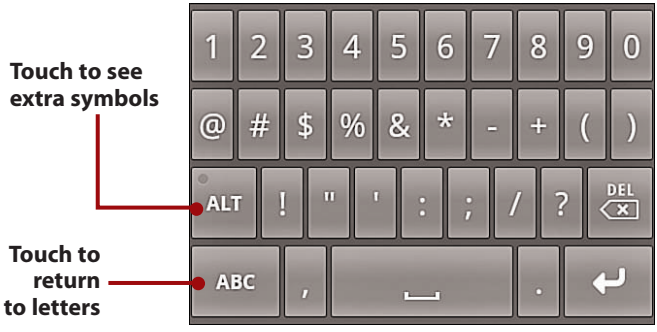
To type numbers or symbols, touch the Symbols key.



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 Saved next to it.

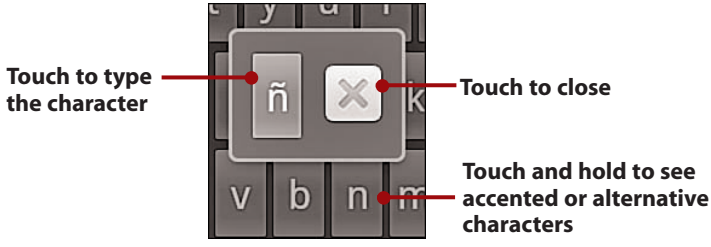
When on the Number and Symbols screen, touch the ALT key to see extra symbols. Touch the ABC key to return to the regular keyboard. From the extra symbols keyboard, touch ALT to return to the numeric keyboard or ABC to see the regular keyboard.



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 any other letter, number, or symbol.

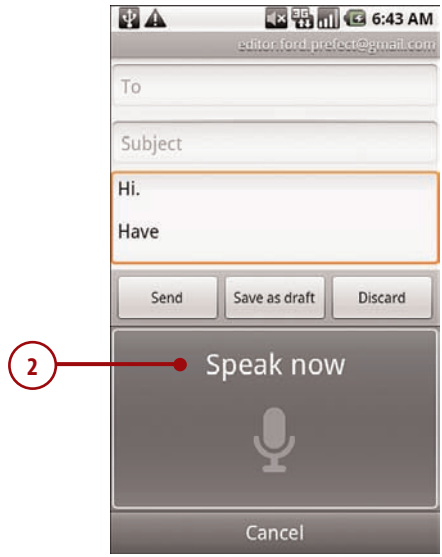
Want a Larger Keyboard?

Turn your Nexus One sideways to switch to a landscape keyboard. The landscape keyboard has larger keys and is easier to type on.

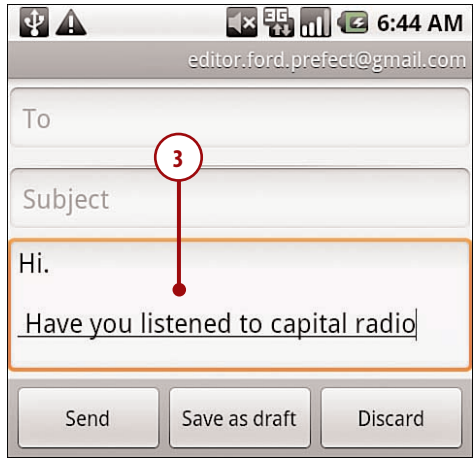
Speak Instead of Typing

Your Nexus One can turn your voice into words. It uses Google'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."



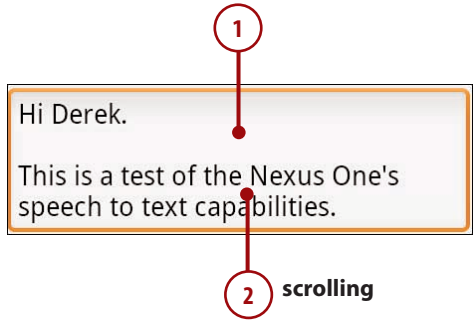
3. After you have spoken what you want to type, you briefly see "working" and then your text is placed in the text field. The text remains underlined so you can touch the DEL key to delete it. If you are satisfied with the text, continue typing on the keyboard or touch the Back button to close the keyboard.

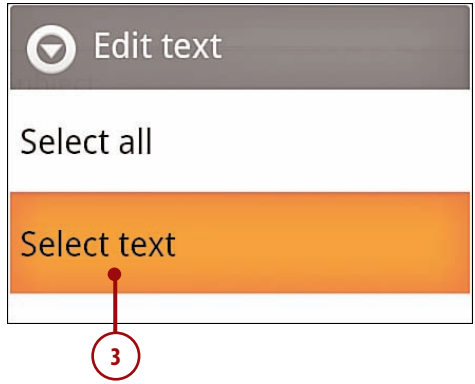


Editing Text

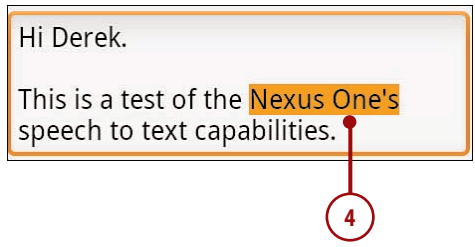
After you enter text, you can edit it by cutting, copying, or pasting the text. Editing is done with the trackball because it is easier to select text this way.

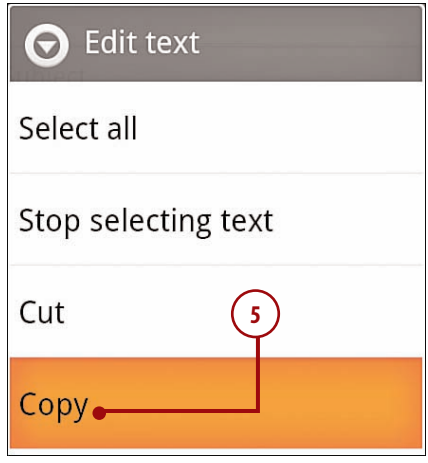
1. While you are typing, touch the text area.
2. Use the trackball to scroll to the location where you want to cut, copy, or paste text.
3. Press and hold the trackball to reveal a menu. Choose the option that fits your needs. For the example, choose Select Text.

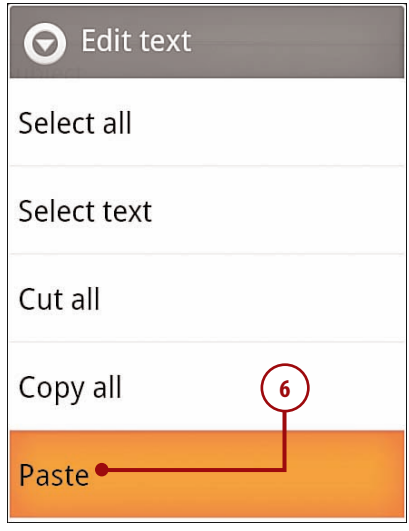




4. Use the trackball to scroll over the text you want to cut or copy. Press the trackball again.
5. Select either Cut or Copy from the menu and then use the trackball to move the cursor to the location where you want to paste the text.
6. Press and hold the trackball and select Paste from the menu.



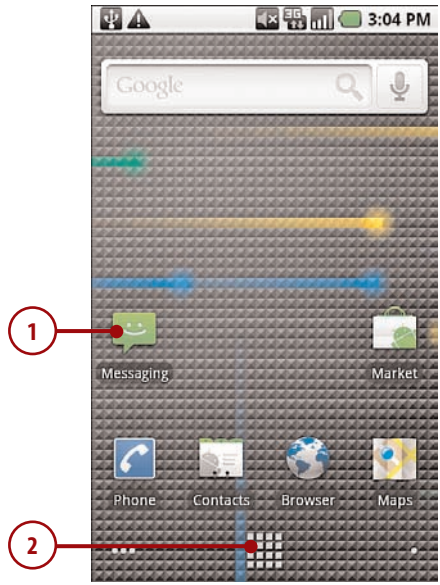


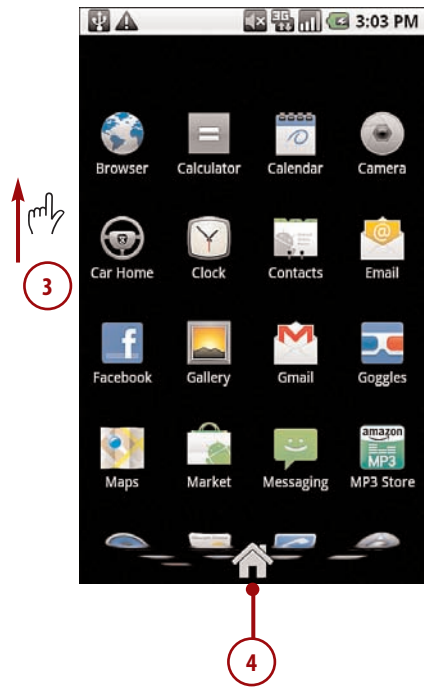


Starting and Switching Applications

We cover applications for your Nexus One 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, the Launcher shows them falling off the bottom edge. Swipe upward to see more icons.
4. Touch the Home icon or the Home button to close the Launcher and return to the Home screen.





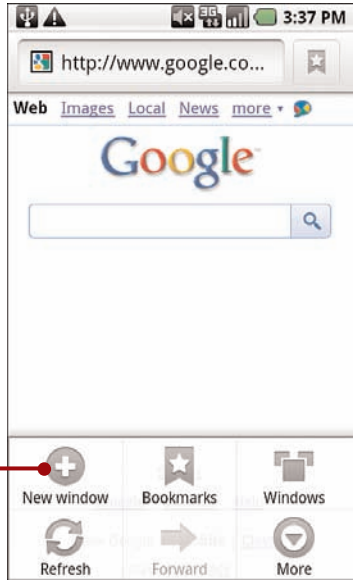
Switch Between Applications

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

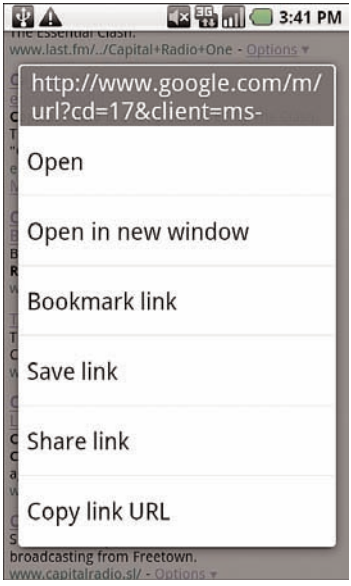
Your Nexus One has two types of menus: Options menus and Context menus. Let's go over what each one does.

Most applications have Options menus. These allow you to make changes or take actions within that application. Sometimes the Options menu has a More item that allows 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 (in this example, 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.

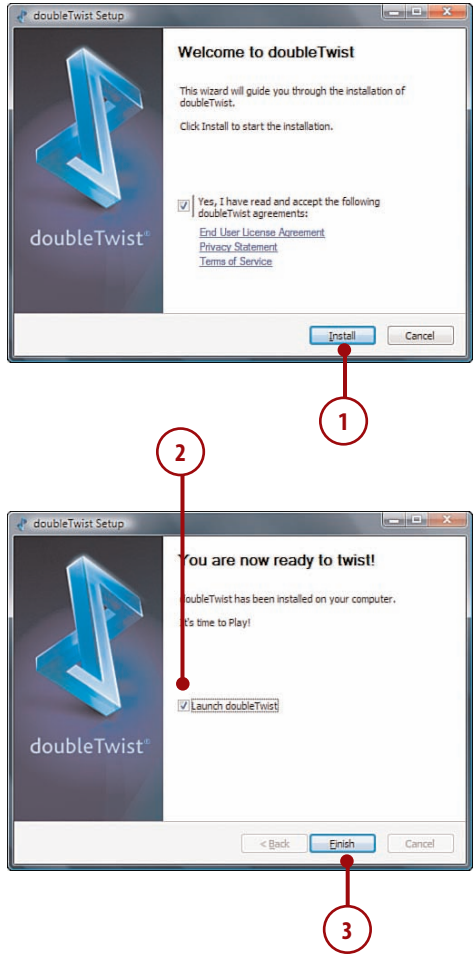


Installing Synchronization Software

Your Nexus One is designed to work in a disconnected fashion without the need to connect it to your desktop computer. However, you might still want to synchronize some content from your computer to your Nexus One. 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 Nexus One, 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 OSX) from http://www.doubletwist.com.

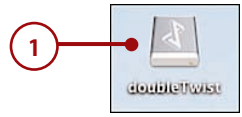
Installing doubleTwist on Windows

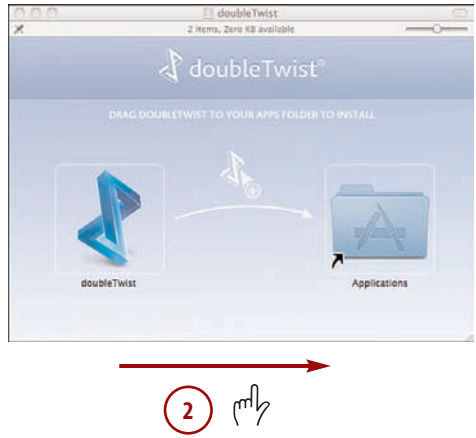
1. Double-click on the doubleTwist install file. On the first screen, click Install.
2. Once the install is complete, make sure that the Launch doubleTwist box is checked.
3. Click Finish.



Installing doubleTwist on Mac OSX

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

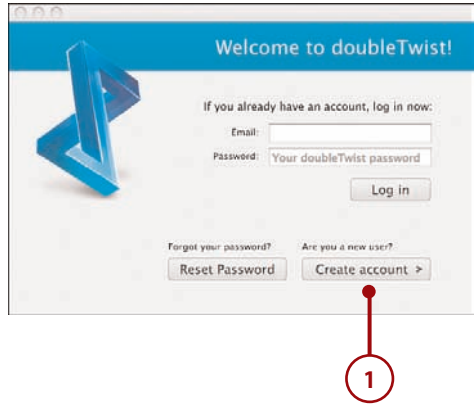




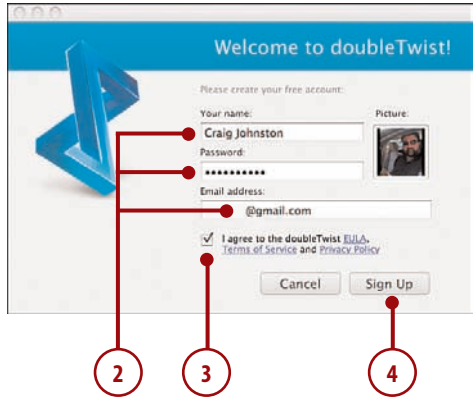
Creating a doubleTwist Account

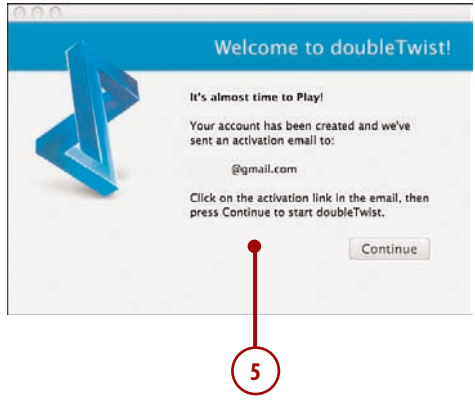
The first time you run doubleTwist, it asks you to log in using your doubleTwist account. You probably don't have one, so let's go through how to create a free doubleTwist account. The steps and screens are the same for the Windows and Mac versions of doubleTwist.

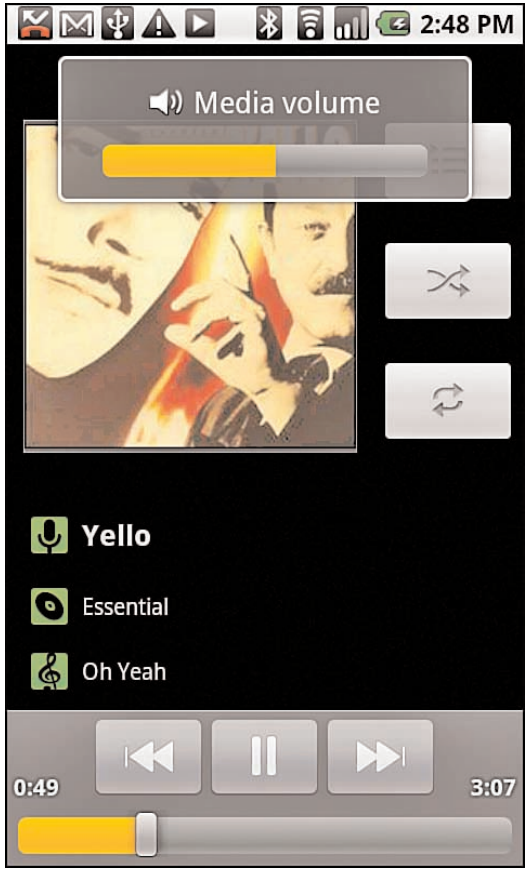
1. Touch Create Account.



2. Type in your name, choose a password, and type in your email address.
3. 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.






2:48 PM
Media volume
Yello
Essential
Oh Yeah
0:49
3:07

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

3

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

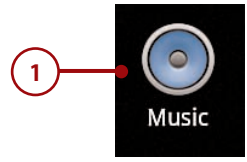
Audio and Video

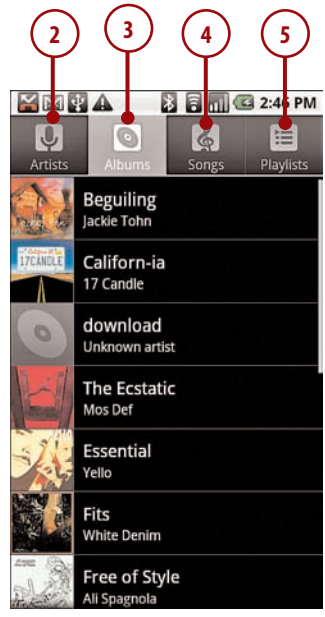
Your Nexus One is a strong multimedia Smartphone with the ability play back many different audio and video formats. The large screen enables you to turn your Nexus One sideways to enjoy a video in its original 16:9 ratio. You can also use your Nexus One to search YouTube, watch videos, and even upload videos to YouTube right from your phone.

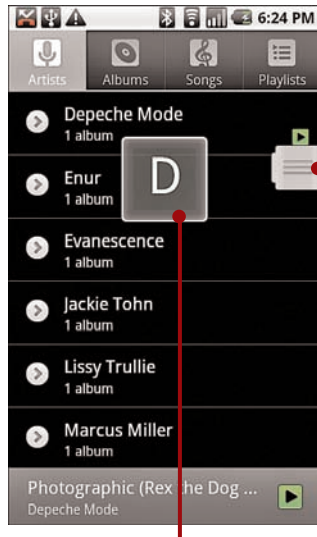
The Music Application—Audio

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 Nexus One.
2. Touch Artists 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 Albums to filter the view by album title. Touch an album name to reveal songs on that album and then touch a song to play it.
4. Touch Songs to filter the view by song title. This shows all songs by all artists. Touch a song to play it.
5. Touch Playlists to show any music playlists that you have synchronized to your Nexus One. We cover how to do that later in the chapter.







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

This box shows the letter

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. So, 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.

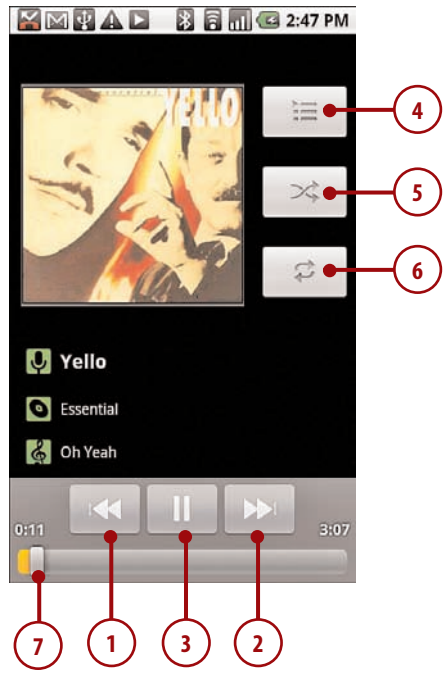
Don't Forget the Search Button

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.

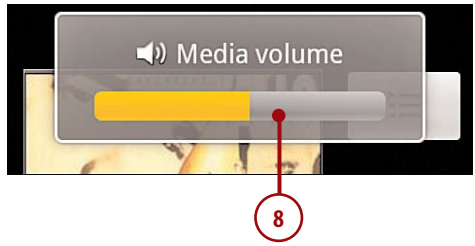
Controlling Playback

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 Nexus One are be shuffled.
6. Touch to enable repeating. Touch once to repeat all songs, touch again to repeat the current song only, touch again to disable repeating.
7. Drag to skip through the song.



8. Press the volume control on the left of your Nexus One to increase or decrease the volume of the music. A Media Volume window pops up and displays the volume level visually.



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 to see your entire music library.
2. Touch to add the current song to a playlist.
3. Touch to use the song as the current ringtone for your Nexus One.
4. Touch to delete the current song. Confirm the deletion on the next screen.
5. Touch to let your Nexus One start the Party Shuffle feature.

Your Nexus One Is the Party DJ

When you enable Party Shuffle, your Nexus One 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.

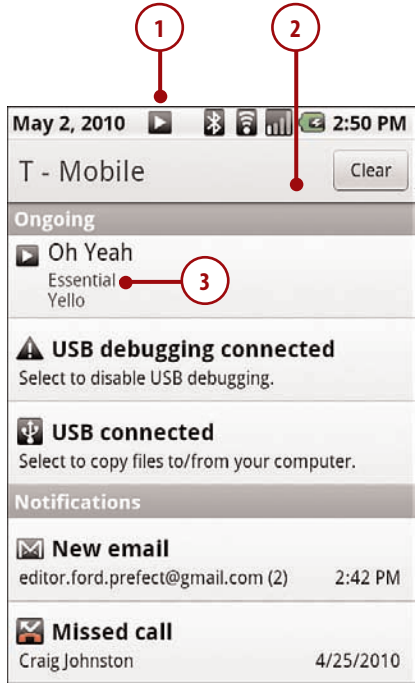
Working and Listening to Music

While your music is playing, you can continue using your Nexus One 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.

What If I Get a Call?

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



Managing Playlists

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

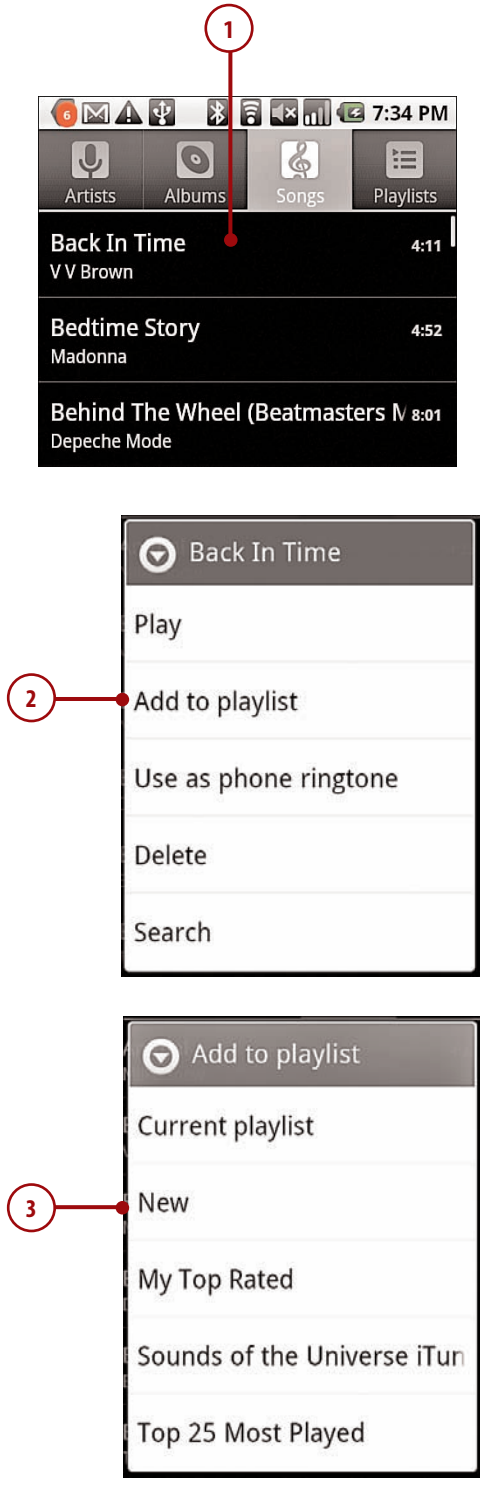
Creating a New Playlist on Your Nexus One

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

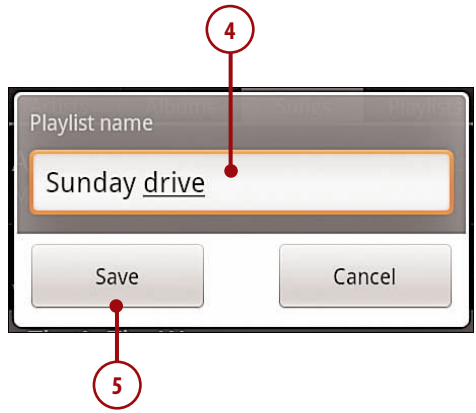
1. Touch and hold a song.
2. Touch Add to Playlist.
3. Touch New.

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.

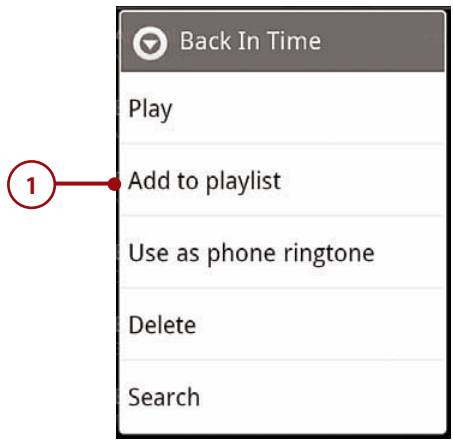


4. Type in the name of the playlist.
5. Touch Save.



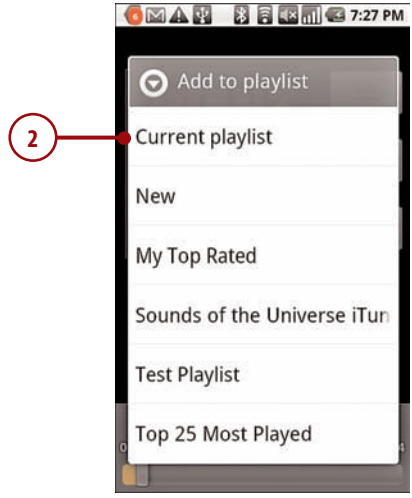
Adding a Song to an Existing Playlist

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.



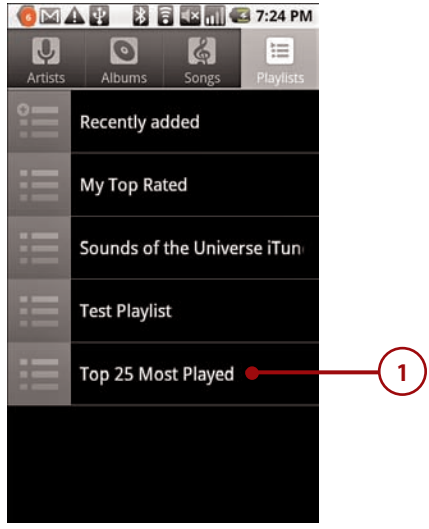
Add to Playlist from Library

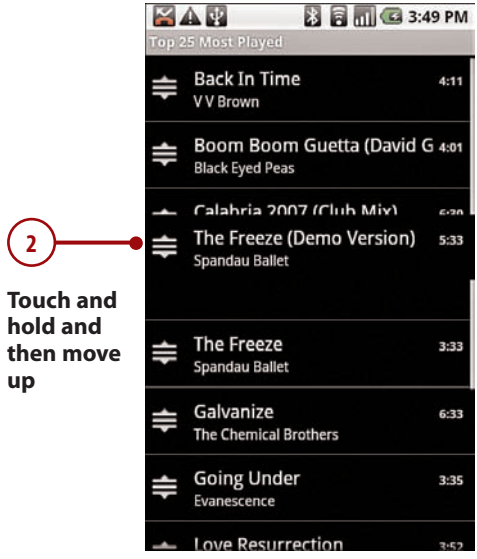
You can also add a song to a playlist when viewing your song library. Touch and hold on a song; then choose Add to Playlist.



Rearranging Songs in a Playlist

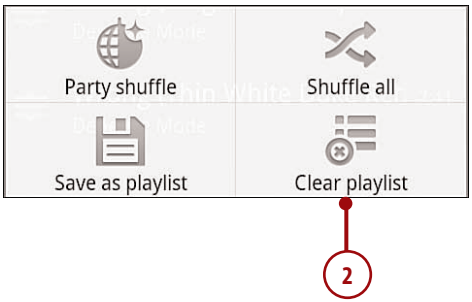
1. Touch a playlist to show the songs in it.
2. Touch and hold the three lines to the left of a song you want to move. Move that song up and down until it is in the right place; then release it.





Clearing a Playlist

1. Touch a playlist to show the songs in it.
2. Touch Menu and touch Clear Playlist. Be careful because there is no warning; the playlist is cleared immediately.



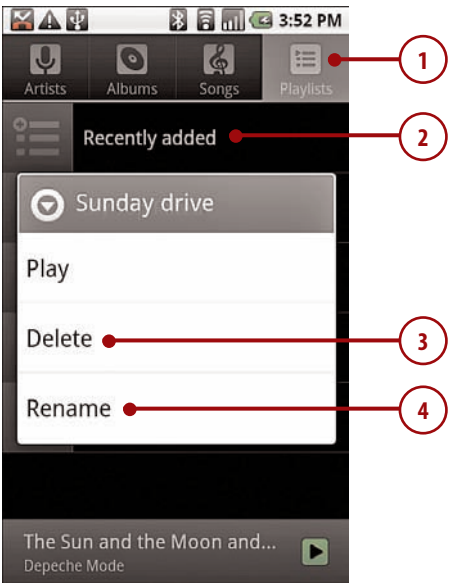
It's Not All Good

CLEARING BUGS

There seem to be some bugs with clearing playlists. First, the Clear Playlist menu item is not visible unless you are playing a song from that playlist. Second, when you touch Clear Playlist, it is not actually cleared. If you go back to the Playlist view and touch that playlist, all the songs are still listed. Hopefully this will be fixed in a new version of Android.

Deleting and Renaming a Playlist

1. Touch Playlists to show the list of playlists.
2. Touch and hold on the playlist you'd like to rename or delete.
3. Touch Delete to delete the playlist. Be careful because there is no warning; the playlist is immediately deleted.
4. Touch Rename to rename the playlist. Type in the new name and touch Save.

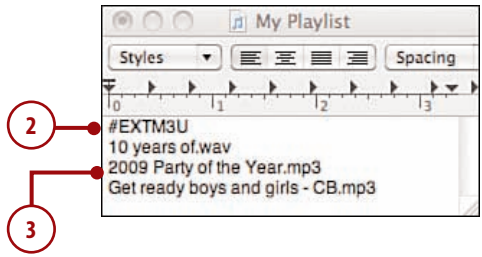


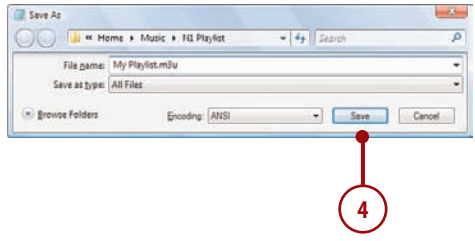
Songs Not Deleted

When you clear or delete a playlist, remember that the songs listed in them are not deleted from your Nexus One. Playlists are just groupings of song names.

Manually Creating a Playlist on a Computer

When we cover doubleTwist later in this chapter, we go over how to synchronize playlists from iTunes, but there is another way to create playlists. If you feel like having complete control over the creation process, these are the steps.

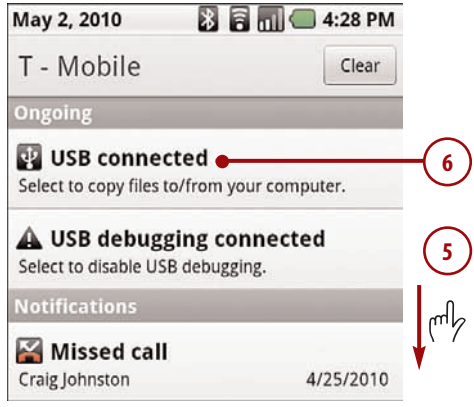




1. Gather the songs you want to place in your new playlist in their own folder on your computer.
2. Use a text editor to create a new text file. (Notepad in Windows or TextEdit on the Mac will do.) Type this text at the top of the file:

   #EXTM3U

3. Type the filenames for each song you want in the playlist, each on a separate line.
4. Save the text file and make sure the file extension is .m3u.
5. Connect your Nexus One to your computer using the USB cable. On your Nexus One, drag down the notification area.
6. Touch USB Connected.

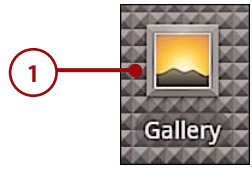


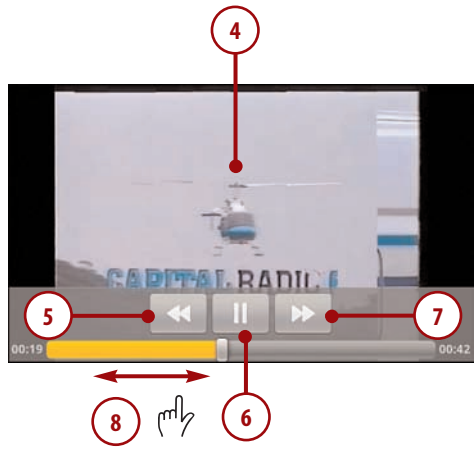
7. Touch Mount to mount your Nexus One as a new drive in Windows or OSX.
8. Drag your folder that contains the songs and the playlist file to your Nexus One. You can put it anywhere. Then, on your desktop computer, eject the Nexus One by right-clicking on it and selecting Eject.
9. On your Nexus One, drag down the notification area again, but this time touch Turn off USB storage. When your Nexus One finishes processing the new files, it plays a sound. Your new songs and playlist should be successfully loaded.

Playing and Sharing Videos with the Gallery Application

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

1. Touch the Gallery icon to launch the Gallery application.
2. Albums that contain videos have a little play icon. Touch an album to view available videos.
3. Touch a video to start playing it.
4. While a video is playing, touch the screen to reveal the playback controls.
5. Touch to jump backward a few seconds.
6. Touch to pause the video, and touch again to resume playing it.
7. Touch to jump forward a few seconds.
8. Drag left and right to move rapidly forward and backward through the video.

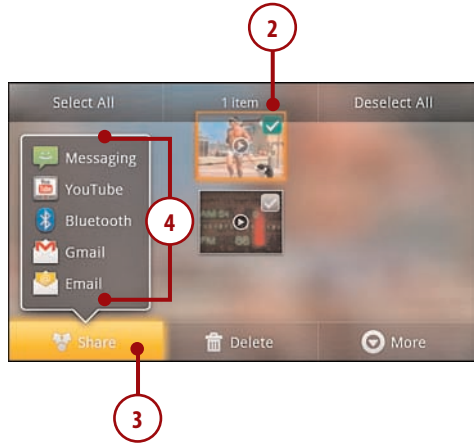




Sharing Videos

You can share small videos with people from the Gallery application. Here is how.

1. Touch the Menu button twice to show the Gallery Menu.
2. Touch one or more videos. Videos you've selected have a green check mark.
3. Touch Share.
4. Touch a method for sharing the videos.

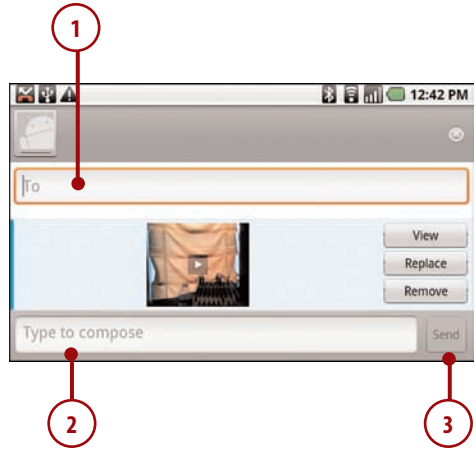


Small Video Size

You can only share very small videos from your Nexus One. 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, excepting MMS, where the videos can only be 30 seconds long.

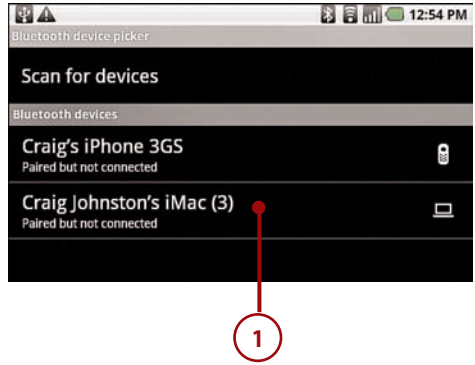
Sharing Video Using MMS

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



Sharing Video Using Bluetooth

1. Touch the previously paired Bluetooth device. If the paired device accepts Bluetooth file sharing, the video is sent. We cover how to pair Bluetooth devices in Chapter 4, "Connecting to Bluetooth, Wi-Fi, and VPNs."

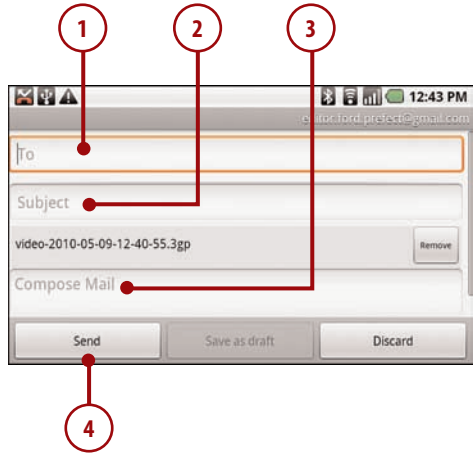


Bluetooth Sharing Might Fail

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

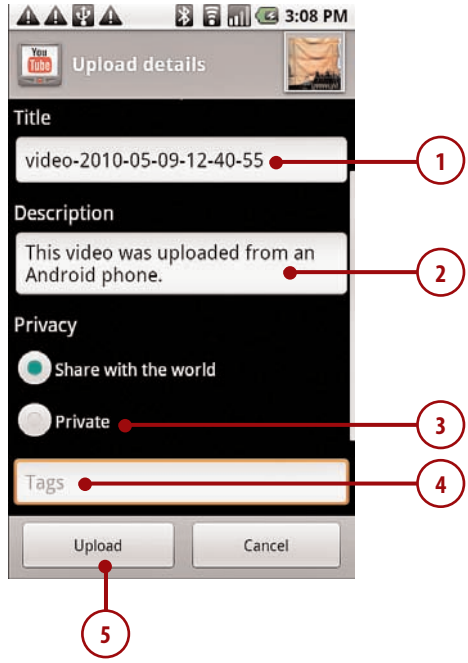
1. Address the email.
2. Type an optional subject.
3. Type an optional message.
4. Touch to send the email.



Sharing Video on YouTube

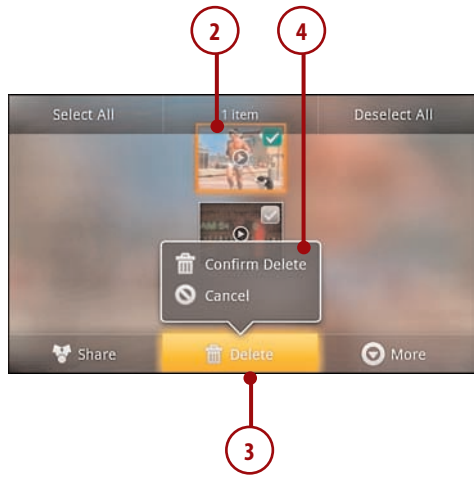
If you have not previously entered your YouTube account, you are prompted to do so before you can upload your video.

1. Enter the title of your video.
2. Enter the description of the video.
3. Set the video's privacy options.
4. Enter any tags for the video, separating tags using commas.
5. Touch Upload.



Deleting Videos

1. Touch the Menu button twice to show the Gallery Menu.
2. Touch one or more videos. Videos you select have a green check mark.
3. Touch Delete.
4. Touch Confirm Delete.



More Details About Your Video

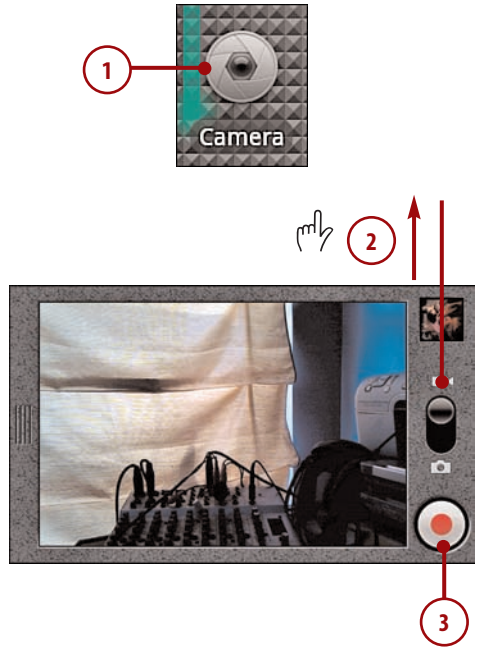
To see more details about a specific video, touch More and then touch Details while the video is selected. The application displays the title, type of video (e.g., 3GPP, MP4), date the video was created, the album it is in, and the GPS location (if this is available).

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. Slide the switch from the still camera to the video position.
3. Touch the Start Video icon, or press the trackball to start recording video. Touch the icon again or press the trackball again to stop recording.



It's Not All Good

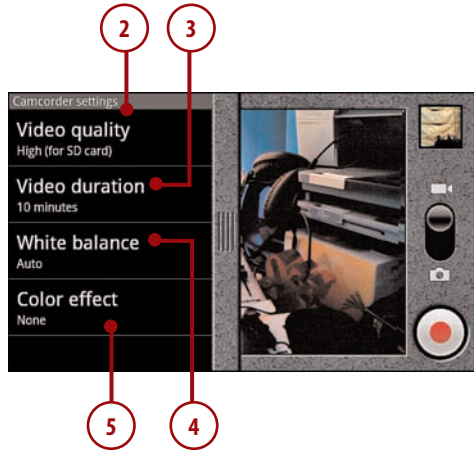
VIDEO FOCUSING IS OFF

While the camera is in still camera mode, when you take pictures, your Nexus One can focus the image using a mechanical auto-focus feature. However, while recording videos, the focus remains frozen, so if you bring your Nexus One 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.

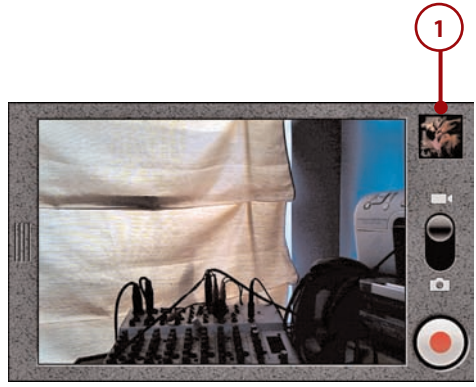
1. Slide the Setting panel to the right to reveal the settings.
2. Touch Video Quality to choose High or Low. Low quality is good for MMS because the video file size is much smaller.
3. Touch Video Duration to choose 30 seconds, which is best for MMS, 10 minutes, or 30 minutes. Thirty minutes is the maximum video length you can record.
4. Touch White Balance to manually set it for different lighting conditions such as Incandescent (old-style light bulbs), Daylight, Fluorescent Lighting, and Cloudy Day. Setting this manually is sometimes necessary to get colors to look more realistic and accurate while recording.
5. Touch Color Effect to set a color effect on your video as you record it. Your choices are Mono (for black and white video), Sepia (for video that looks really old), Negative, Solarize, Posterize, and Aqua.

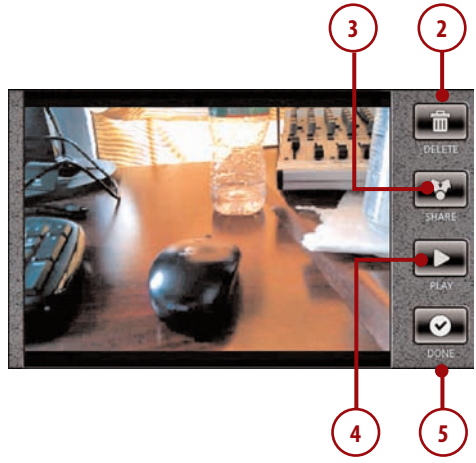


Sharing and Deleting Video

The Camera application also enables you to share your videos with people via MMS, Bluetooth, email, and YouTube. It is much more convenient to share video right after you record it.

1. Touch the preview of the video you just recorded.
2. Touch to delete the video you just recorded.
3. Touch to share the video you just recorded via email, MMS, YouTube, or Bluetooth.
4. Touch to play the video you just recorded.
5. Touch to return to video record view.



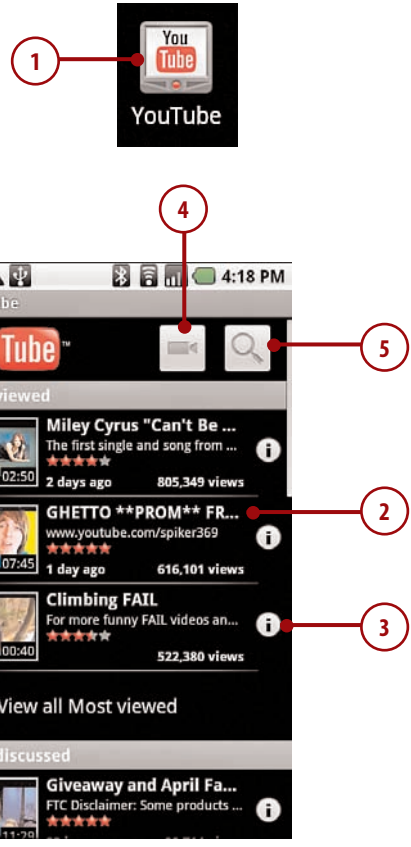


YouTube

Your Nexus One 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

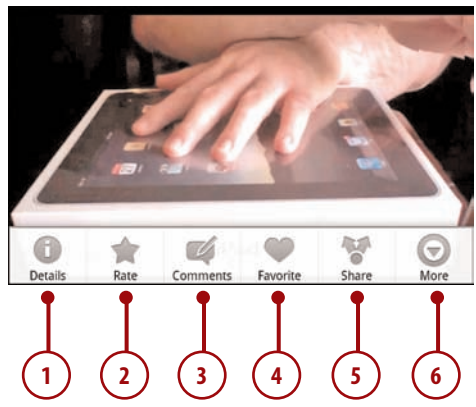
1. Touch the YouTube icon on the Home screen to launch the application.
2. Touch to play a video.
3. Touch to see information about the video, and related videos.
4. Touch to upload your own video.
5. Touch to search for videos.



Playing a Video

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

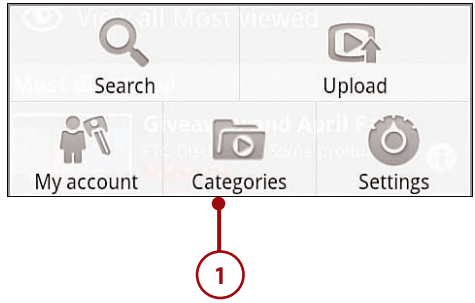
1. Touch to see details about the video, and see related videos.
2. Touch to rate the video. This still uses the old-style five-star rating system. It is likely that the YouTube application will be updated to support the new YouTube rating system soon.
3. Touch to read comments about this video. You cannot add your own comments.
4. Touch to add the video to your YouTube favorite video list.
5. Touch to share the video with people using MMS, email, and Facebook. When you share the video, you are only sharing the link to it.
6. Touch More to flag a video as inappropriate or switch to another version of the video (either high or low quality).

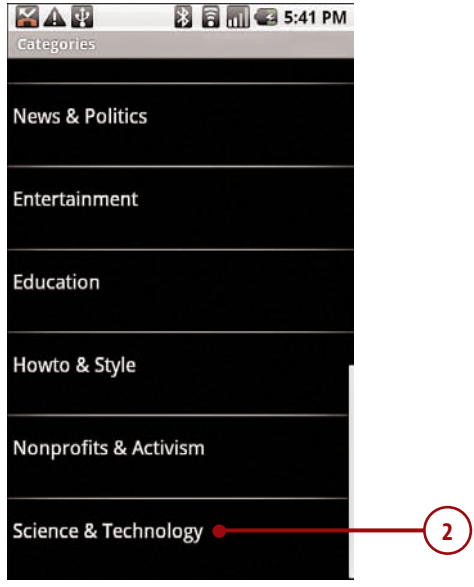


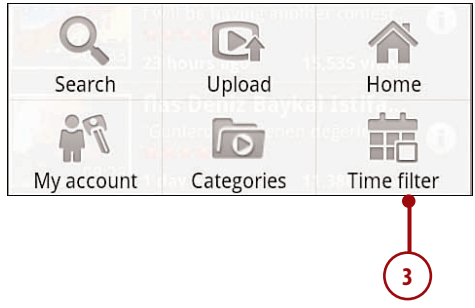
Filtering Videos

When you first open the YouTube application, you are presented with the Featured videos. You can view videos from a specific category only.

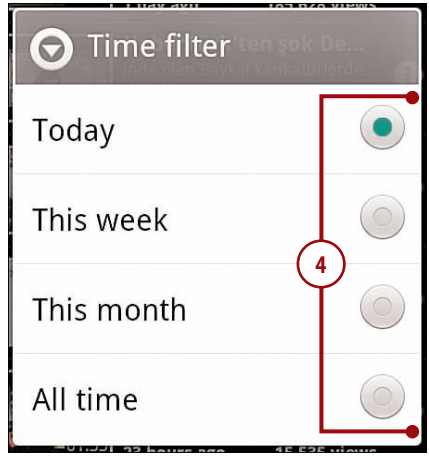
1. Touch the Menu button, and touch Categories.
2. Scroll to and touch a category you want to filter the view to. Videos that have been uploaded today under this category are displayed.
3. Touch the Menu button and touch Time Filter to see videos older than today.







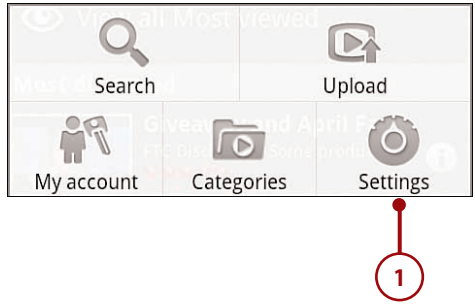
4. Touch the time filter you want. The Category display updates. When you change the Time Filter, it affects all YouTube screens.

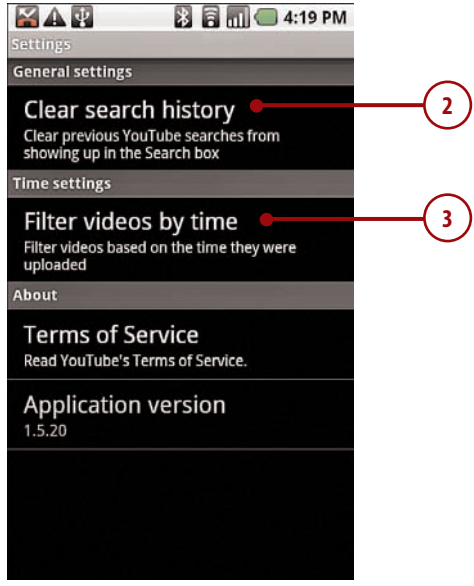


Changing YouTube Settings

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

1. Touch the Menu button while looking at the main YouTube screen; then touch Settings.
2. Touch to clear your YouTube searches.
3. Touch to set the time filter.





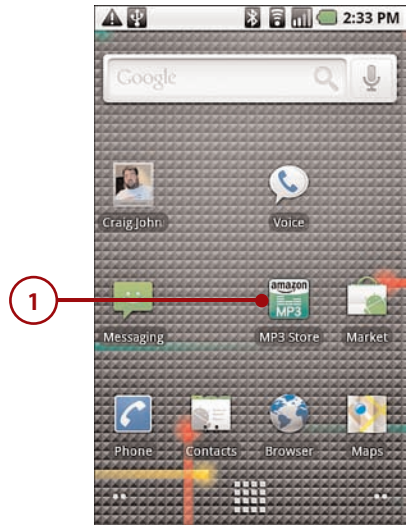
Amazon MP3

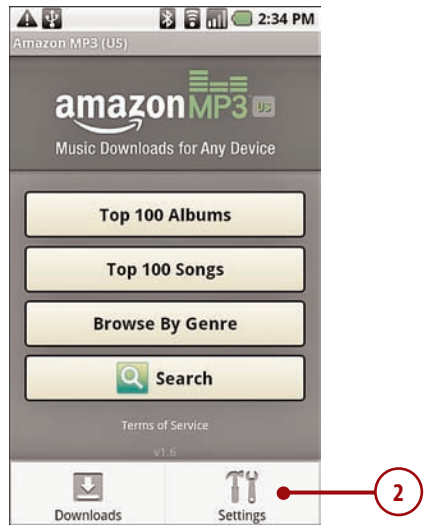
Your Nexus One comes with the Amazon MP3 application. This application enables you to search for and purchase music from Amazon and download it directly to your phone. Before you start, you need an Amazon account. If you don't have one, visit Amazon.com on your desktop computer to sign up.

Setting Up the Amazon MP3 Application

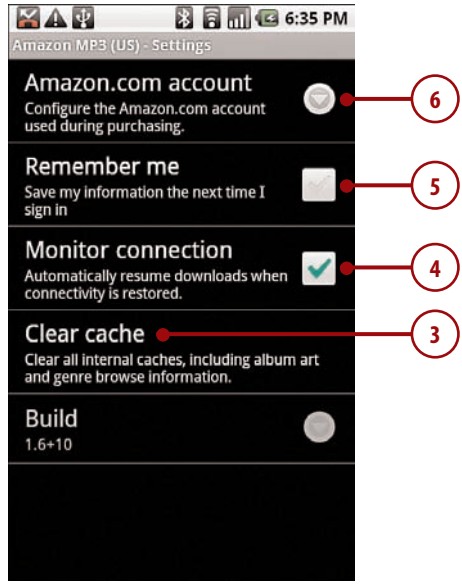
After you have your Amazon.com account, you are ready to use Amazon MP3. Here is how to set it up by entering your account details.

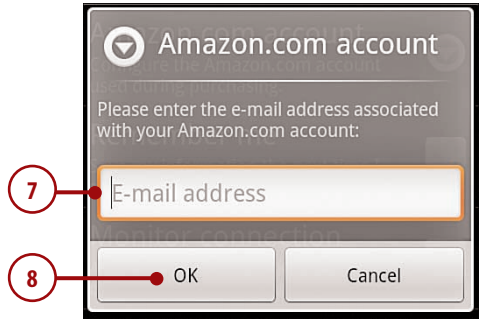
1. Touch the Amazon MP3 Store icon on the home screen.
2. Touch the Menu button after you see the main Amazon MP3 screen; then touch Settings.





3. Touch to clear the Amazon application's cache. The cache is actually useful because it keeps copies of images and other content that helps screens load quicker, but clearing the cache can free up memory.
4. Touch to enable and disable connection monitoring. Keeping this enabled is a good idea because it allows the Amazon application to resume music downloads if you go into a cellular dead spot.
5. Touch to let the Amazon MP3 application remember your Amazon login.
6. Touch to access your Amazon account, or type in your details if this is your first time running the application.
7. Enter the email address you used to sign up with Amazon.com.
8. Touch OK to save your login information.





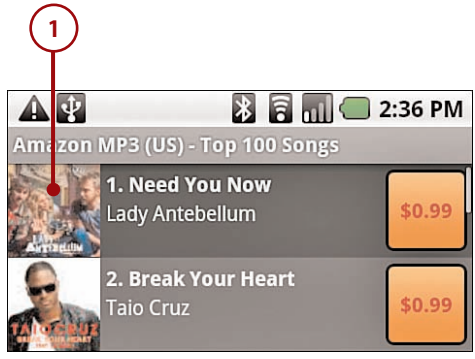
Finding Music

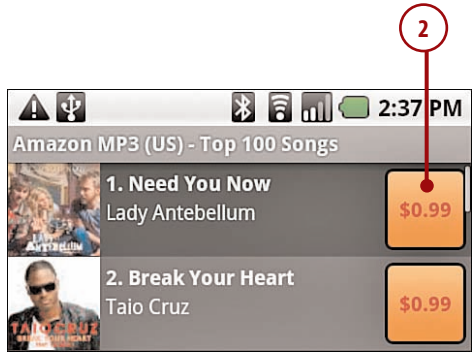
1. Touch to see the top 100 albums.
2. Touch to see the top 100 songs.
3. Touch to browse by music genre.
4. Touch to search for music.

Purchasing Music

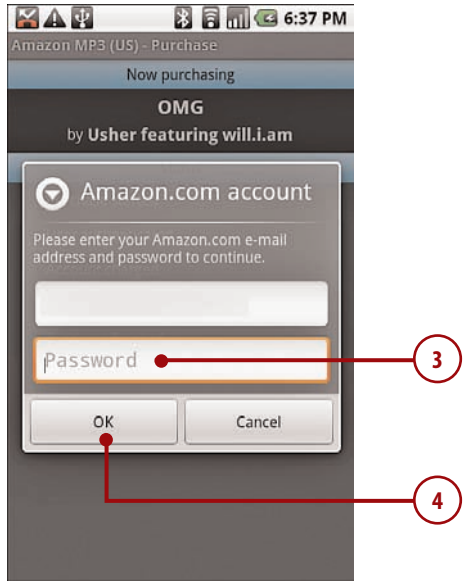
After you find what you are looking for, you can preview the song, and then purchase it.

1. Touch a song to listen to 30 seconds of it.
2. Touch the price to purchase the song. The price changes to the word BUY. Touch BUY to continue.





3. Enter your Amazon.com password. Your email address should already be there.
4. Touch OK. Your song or album is then downloaded.



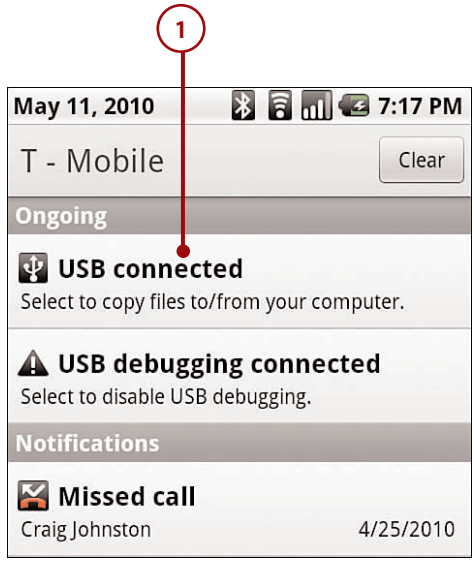
Using doubleTwist to Synchronize Audio and Video

You might already have a large music collection on your computer and maybe some movies and videos you want to copy over to your Nexus One. 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 Nexus One

When you use doubleTwist, you need to connect your Nexus One 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 Nexus One via the USB cable.

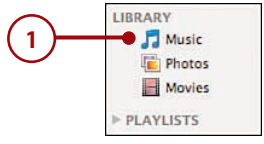
1. Pull down the notification bar and touch USB Connected.
2. Touch Mount. Now your Nexus One displays under DEVICES in doubleTwist.



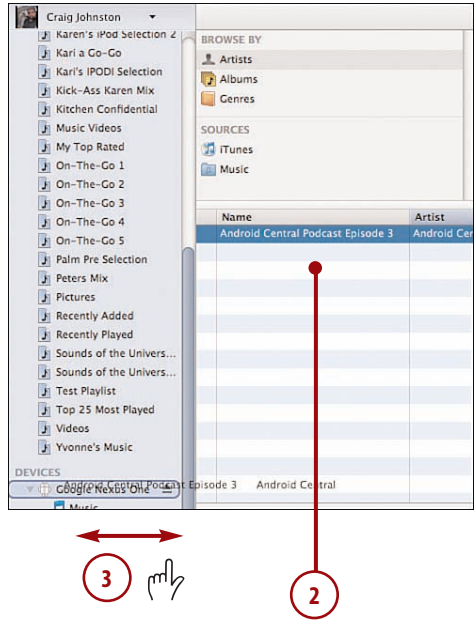
Synchronizing Music by Dragging It

After your Nexus One is visible in doubleTwist, you can drag music to it.

1. Click Music in doubleTwist to see all the music on your computer.



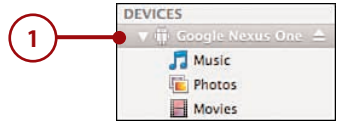
2. Find the song you want to drag to your Nexus One.
3. Click and drag it down to your Nexus One under DEVICES. You should see a green plus icon once your mouse is hovering over your Nexus One. When you drop the song on your Nexus One, doubleTwist copies it over.

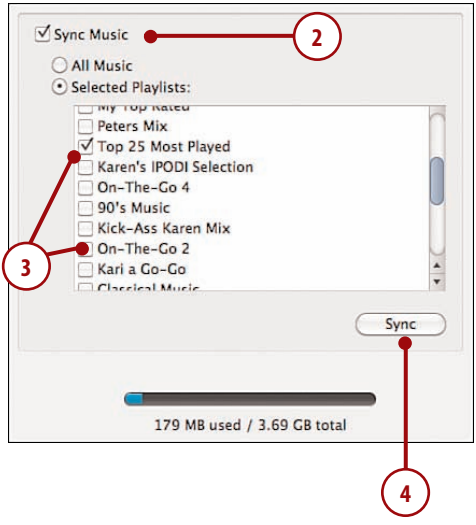


Synchronizing Existing Playlists

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

1. Click your Nexus One under DEVICES.
2. On the right of the screen, you see any existing playlists. Put a check mark next to Sync Music.
3. Put a check mark next to any playlists you want to synchronize to your Nexus One.
4. Click Sync.





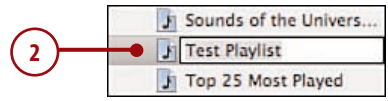
Sync All Music

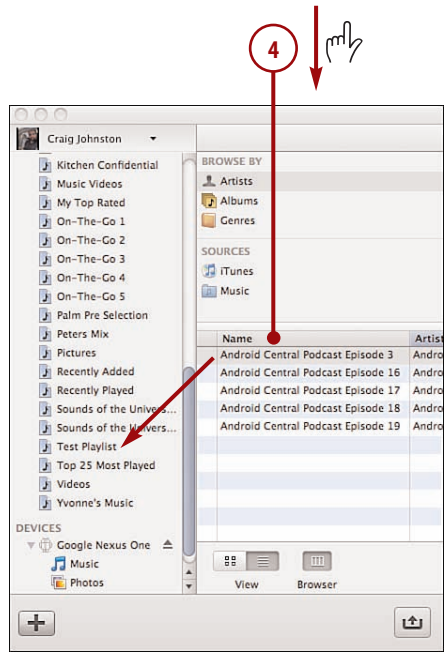
You can choose to synchronize all music, but if your music collection is large, it might not fit on your Nexus One. Remember that all music and video is copied to the Micro-SD card you insert under the battery cover, so the more music you want to synchronize, the larger that memory card needs to be.

Creating Playlists

If you are using iTunes to synchronize playlists, then 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 Nexus One.

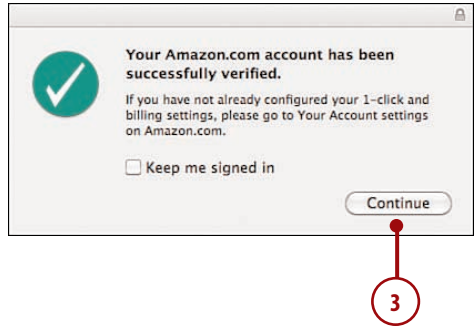




Using doubleTwist with the Amazon MP3 Music Store

You can use the Amazon MP3 Music store on your Nexus One to purchase music, but you can also access it in doubleTwist.

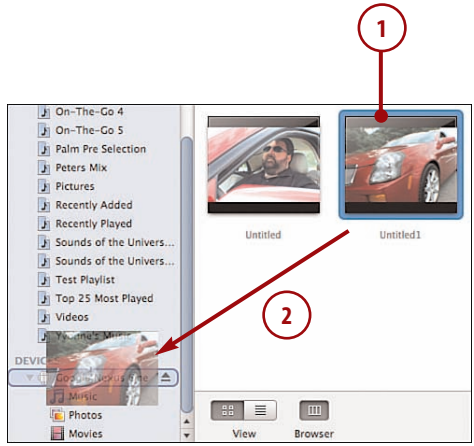
1. Click on Music Store under the DOUBLETWIST heading and then click Sign In.
2. The first time you try to use doubleTwist to purchase music from Amazon, you see a warning telling you to sign in to your Amazon account using a web browser. Click Go To Amazon.com to continue.
3. Complete the process online.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

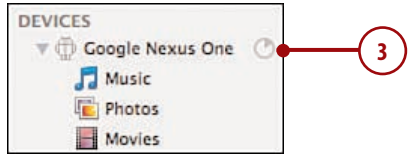


Copying Video

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 Nexus One.

1. Click Movies under DOUBLETWIST. Find the video or movie you want to copy to your Nexus One.
2. Drag the video to your Nexus One. 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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