

Macworld

iPhone and iPod Touch Superguide

4TH EDITION



UPDATED FOR
iPhone 4
~ AND ~
iOS 4

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Foreword



Apple's revolutionary iPhone isn't just another mobile phone. The iPod touch isn't just another music player. They're also the smallest Macs ever created—because underneath that glass touchscreen, they're running a powerful operating system: iOS 4.

The iPhone and iPod touch represent the second time Apple has tried to completely rethink the way we connect with our computers. The original Macintosh changed the world by providing a physical control (the mouse) that moved a cursor on a computer interface. But the iPhone and iPod touch do this innovation one better. Now, instead of pushing around a mouse to move a disembodied arrow around the computer screen, you use your finger to do it all. There's no cursor on the screen because your finger *is* your pointer—and pointing, despite what your mother told you, is just what fingers are meant to do.

That brings us to the subject of this book. Why would *Macworld* publish an entire book about devices that are supposed to be so intuitive? It's a question I get a lot, especially from the people at Apple. The company's goal—and it's a smart one to shoot for—is to make an incredibly complex technology as easy to use as possible. And these devices are easy to use, which is one reason they're so appealing.

But make no mistake about it—your device is a computer. Aside from featuring a full Web browser and an e-mail client, it can run thousands of programs written by independent developers, connect to Wi-Fi networks, and log in to your employer's Virtual Private Network (VPN). If you have the iPhone 4 or latest iPod touch, you can even video-chat from the palm of your hand.

And yet, as effortless as they are to use, the iPhone and iPod touch have an ocean of depth. Our goal is to help you plumb those depths and uncover more of your device's hidden potential. In the pages of this book, we'll give the basics as well as some advanced tips, tricks, and troubleshooting advice. And for the very latest iPhone and iPod touch coverage, be sure to visit iPhone Central (iphone.macworld.com) and our App Guide (appguide.com).

—Jason Snell, Editorial Director, *Macworld*
San Francisco, October 2010

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Special thanks to **Meghann Myers**, **Marco Tabini**, and **Joel Mathis** for contributing iOS app reviews.

Meet the iPhone

Get acquainted with your new device's hardware features, including every button, switch, slot, port, and plug. Apple designed the iPhone and iPod touch with minimal external buttons, so it's imperative that you know what each one is for.

Apple stretches its minimalist design to what's inside these devices as well, with a set of small status icons at the top of the screen that serve as a shorthand for common settings. We'll show you what each icon means so you're never left wishing Apple would just spell it out already.

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iPhone at a Glance

It's always best to start from the beginning. And the beginning, in this case, is the outside of the iPhone 4—the slots, buttons, switches, and ports. Here's what you'll find. (Most of these features also exist on the older iPhones and on the iPod touch, except where noted.)



Status Symbols

Like a Mac's menu bar, the top of the iPhone's screen displays a number of status icons—shorthand for various settings and connections. The icons that tell you what phone, internet, or other connection your device is making are visible in the upper left hand corner, while icons in charge of the device's other functions appear on the right. Now, with the help of this handy guide, you can learn what each symbol actually means.



NETWORK TYPE These icons show what type of connection your phone carrier is making. The 3G network (3G) is fastest, followed by EDGE (E), and in limited connection areas, you may see GPRS, or General Packet Radio Service (O).



SIGNAL STRENGTH These bars reflect the network and voice signal in your area. They fluctuate between one bar (little to no service) and five.



WI-FI STRENGTH You'll see this symbol if you're connected to a Wi-Fi network. The stronger the signal, the larger the array of bars.



BLUETOOTH Turn on Bluetooth, and you'll see this icon. By default, the symbol is gray, but if you make a Bluetooth connection, it will turn blue.



VPN If you are connected to a Virtual Private Network (VPN), this icon will appear.



AIRPLANE MODE If you turn on Airplane Mode in Settings, your phone will turn off all phone, Internet, and Bluetooth connections, and you'll see this icon. While in Airplane Mode, you can still use Wi-Fi.

Get Started



As its name promises, Apple's iPhone is, in fact, a phone. But it—along with its phone-less cousin the iPod Touch—offers so much more: handheld computing, Web browsing, e-mail, GPS capabilities, music and video... Add the huge selection of applications available in the App Store, and these devices can be anything you want them to be, from a high-powered game console to a Spanish teacher. In short, they are unlike any cell phone or handheld device you've ever used before.

But to unlock all that the iPod touch and iPhone can do, you'll need to know your way around. In this chapter, we'll introduce the most important features you'll need to get up and running as quickly as possible.

(Note: though this Superguide primarily mentions the iPhone, most non-cellular activities and settings also apply to the iPod touch. Anything that doesn't, we'll clarify.)

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Activate Your iPhone

Until you activate your iPhone, you can't do much more than admire its lovely form. Fortunately, unlike with other mobile phones, you needn't stand in line and fill out paperwork with your mobile provider or in an Apple Store to get the thing working. You can do it all from your computer.

What You'll Need

In order to activate and sync your phone, you'll need a copy of iTunes 9.2 or later for iOS 4. It's not included in the iPhone box, so if you don't have a copy, go to www.itunes.com/download and download it. In addition, your Mac should be running OS X 10.5.8 or later; on a PC, you'll need Windows 7, Windows Vista, or Windows XP Home or Professional (SP3).

Your computer must also have a USB 2.0 port. If you're switching your phone service from another carrier, you'll need your account information (and phone number, if you want to port it) to complete the process. You'll also need your Apple ID and password. If you've ever purchased anything from the iTunes Store, you should already have one. If not, you'll need a credit card to sign up for one. Don't worry, your credit card won't be charged as part of the activation process.

Sign Up for a Plan

To start the activation process, plug your iPhone into your computer's USB 2.0 port with the included connector cable. Apple suggests using the USB port on the computer rather than one on your keyboard, as the keyboard's port doesn't provide enough power (the iPhone uses the USB port not only to transfer data, but also to charge the battery).

iTunes should launch automatically after you plug in your new device. Select the iPhone (it should be under Devices in iTunes) if it doesn't pop up automatically, and you'll see a list of the steps you'll need to take to activate the phone with your cellular provider: set up/verify an iTunes Store account; and put contacts, music, and more on your iPhone (see "Let's Get Started").

EXISTING CUSTOMERS If you're an existing customer, you'll have the option to either transfer your current line of service to your new iPhone (and deactivate your old phone in the process), or add a new line and phone num-

Settings

Most apps on the iPhone or iPod touch don't have individual preferences screens as they do in OS X or in Windows. Instead, you'll access these options from the Settings app. This is also where you can change system-wide settings, such as sounds and choice of wallpaper. Here you'll also find a toggle for Airplane Mode (which disables cellular antennas for safe usage on an airline) and networking options.

Because this app does so much, it's by far the most crowded space on your device—there are fourteen separate menus on the main screen, plus entries for any third-party apps (see “One Menu to Rule Them All”). It can get pretty confusing, pretty fast—so let's slow down and take a quick look at each of the main preferences.



One Menu to Rule Them All
Customizing your iPhone's settings is a snap (or in this case, a tap).

Airplane Mode

If you travel frequently, Airplane Mode is a necessity: it temporarily switches off the cellular antenna—and other potentially unfriendly that could interfere with the airplane's navigational system, allowing you to safely use the device in the air once the captain gives the all-clear.

When Airplane Mode is on, an airplane will replace the bars in the upper left corner of your screen, and all Phone settings will be grayed out. Thankfully, the phone still allows Wi-Fi connections, so if you happen to be taking a flight on one of the airlines that currently supplies Wi-Fi access, you'll be able to surf the Web and Twitter away.

Communicate



The iPhone and iPod touch excel at keeping you in touch on the road. Both offer stellar e-mail support, but only the iPhone provides calling and texting. And now with Apple's FaceTime feature, you can use the iPhone 4 and the fourth generation iPod touch to make video calls.

Although this process isn't complicated, you can save time and be more efficient by customizing a few settings and taking advantage of some hidden shortcuts. We've got the scoop on managing your contacts, juggling multiple callers, saving e-mailed photos, filling in the gaps in the included text-messaging application, having clear and engaging video calls, and more.

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Manage Contacts

With the advent of Internet communication, the amount of contact information people have to remember has quadrupled. Phone numbers, e-mail addresses, chat handles, usernames, aliases—needless to say, it can get complicated, fast. Thankfully, your device can store all of this and more in the Contacts app, which syncs across iOS to provide communication auto-completion across the board. To make sure your Contacts list is as up-to-date as possible, here are a few ways to keep things neat, organized, and useful.

Import Contacts onto Your Device

iTunes, in addition to syncing calendars, apps, and e-mail accounts, can also take care of your Contacts organization.

To sync your contacts, iTunes will require you to connect specifically with one computer. However, you don't necessarily have to use the same



Import Your Contacts iTunes on the Mac lets you sync all of your Address Book contacts. Clicking the Selected Groups option lets you transfer a more limited collection to your phone.

Use the Phone

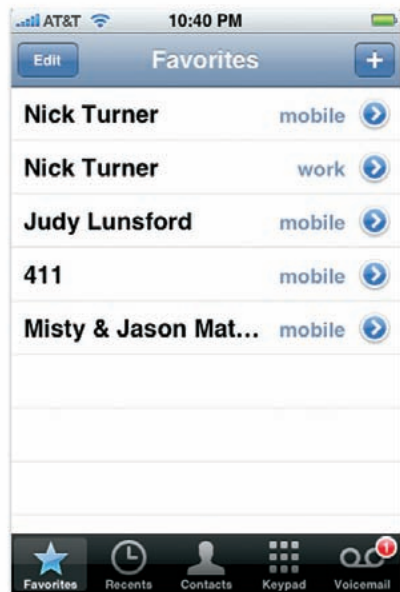
The iPhone makes initiating and answering calls a piece of cake. There's also plenty you can do while on the phone to manage multiple calls or locate useful information. And if you miss a call, the iPhone has you covered there, too, with its Visual Voicemail feature.

Dial a Number

Touching the Phone button on your Home screen produces several options for initiating a new call: Favorites, Recents, Contacts, and Keypad.

FAVORITES This section is a user-defined list of your most frequently called numbers—think of it as the iPhone's equivalent of speed dialing (though it takes a couple more taps to dial a number than a speed-dialing feature should). To designate a favorite, tap the plus sign at the top of the Favorites screen (see “Fast Friends”). This brings up your contacts list. Select a contact, and then tap a home, mobile, or work number to add that number to your favorites. (You can also now add e-mail addresses, for communicating via FaceTime.) You can add more than one number for a person—each number shows up as a separate entry. You can also use the Add To Favorites button that appears at the bottom of a contact record to add someone to this list.

From the Favorites screen, tap a person's name to dial that number. Tap the blue arrow next to the name to see the contact's full Info screen. If you decide you want to remove someone from your Favorites list, simply press the Edit button and then tap the minus sign next to that name. To rearrange the contacts in



Fast Friends The Favorites pane gives you quick access to the people you call most often.

Working with Multimedia



You can play music, audiobooks, and podcasts and view TV shows, music videos, and full-length films on your iPhone or iPod touch. Add some photos from your computer, and you can instantly create a classy slide-show to show family and friends. Take some photos or video on the spot, and share them with the world. And with their larger, crisper displays, the iPhone and iPod touch are perfect for streaming video and audio on the go.

In this chapter, we'll offer hints for working with your device's best multimedia features and describe a few of its limitations.

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Work with Photos and Videos

Not too long ago, to bore your friends with your vacation photos, you had to first lure them into your home. Now, you can do it on the run from your iOS device. Without further ado, here's the lowdown on your device's still and video camera functionality, and how to share all the content you create with friends, family, and strangers.

Take Photos

The iPhone 4 has two cameras: a 5-megapixel point-and-shoot with built-in LED flash, and a front-facing VGA-quality one for quick self portraits and FaceTime conversations. The 4G iPod touch also has two cameras, but at lesser resolution, and with no LED flash. (Older iPhone models have only one camera on the rear of the device; older iPod touches have no camera at all.)

Launch the Camera app by tapping on its icon from the Home screen. There are several buttons and toggles on this screen: the Camera Roll, in the lower left corner, will launch a gallery of the photos and videos you've taken; the Camera button, in the lower center, which snaps the photo or begins recording video; (iPhone 3GS or later) the Photo/Video toggle in the lower right, which allows you to switch from still images to video; (iPhone 4 only) the flash button in the upper left corner, which allows you to switch the flash to Auto mode, On, or Off; (iPhone 4 only) HDR, in the upper center, which toggles High Dynamic Range mode on or off; (iPhone 4 or 4G iPod touch only) the swap



Point and Shoot Taking photos with your device is easy—just frame your subject and tap on the Camera button.

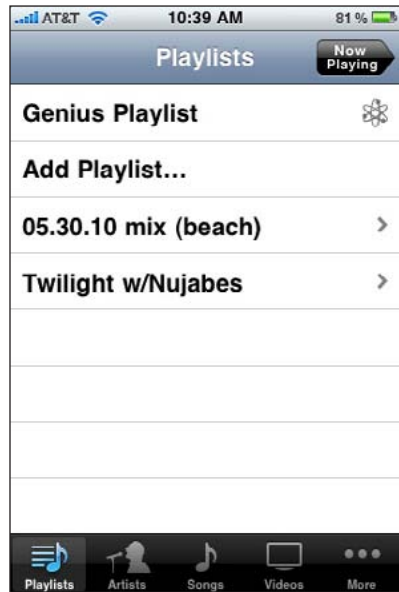
Navigate Music and Videos

If you've owned a display-bearing iPod for more than a month, your thumb will want to spring into its normal twirl-and-click position when you first unpack your iPhone or iPod touch. But when it comes to navigating the touchscreens on your new device, it's your index finger that gets the heaviest workout.

Find Your Tunes

When you tap on the iPod button (or, in the iPod touch's case, Music button) on the device's Home screen, you're taken to the last iPod screen you accessed—the Now Playing or Playlists screen, for example. Arrayed along the bottom of your device are buttons that let you quickly search different types of media. These include Playlists, Artists, Songs, Videos (iPhone only; iPod touch users have a separate app for Video), and More (see "iPod Basics"). To move options from the More screen onto this toolbar, tap More and then tap the Edit button in the upper left corner. The resulting Configure screen will allow you to drag any icon to the bottom of the iPod interface, and to rearrange the order of the four buttons in the toolbar.

The default four buttons are self-explanatory. Tap on each to view a list of available playlists, artists, songs, and videos. Tap on the More button to access additional options, including Albums, Audiobooks, Compilations, Composers, Genres, and Podcasts. To go back, tap the left-arrow button in the upper left corner of the screen.



iPod Basics To bring up the main media screen, tap the iPod button.

Productivity



The iPhone is more than just a phone, and the iPod touch is more than just a music player. They are also both capable Web browsers and full-fledged PDAs. While many handheld devices can access the Internet, few do it well, and none comes close to the experience you get on a real computer. The iPhone and iPod touch get the closest, thanks to a customized version of Safari and a host of programs that work like their computer-based counterparts rather than limited mobile versions.

Whether you're surfing the Web by the pool, searching for a restaurant from the road, or scheduling your day, your device can help you find information and stay on task. Here's how to get the most out of the many applications these devices have to offer.

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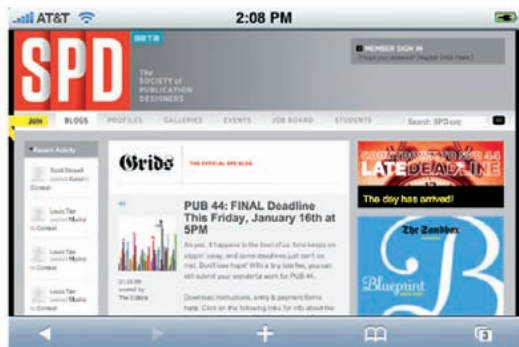
Surf the Web

If you've used Safari on your Mac or PC, you'll find the mobile version of Apple's Web browser both familiar and strange. Although it can't do everything its desktop counterpart can—for example, it doesn't currently include Flash support—mobile Safari lets you view nearly any site on the Web, fill out Web forms, save passwords, and perform searches. But because of the simplified interface, some of Safari's features are less than obvious.

Safari Basics

When you tap on the Safari icon on the Home screen, a miniature version of Apple's Web browser appears. At the top of the Safari window you'll see a navigation bar with an address field on the left and a search field on the right. On the right side of the address field there's a circular arrow for reloading the current page. At the bottom of the screen is a toolbar with five buttons: back and forward arrows; a plus sign (+) for adding the current page to your bookmarks, adding it to your home screen as a Web clip, or e-mailing its URL; a book icon that brings up existing bookmarks and your surfing history; and a stacked pages icon for opening and navigating multiple pages (see "Surf Safari").

GO TO A SITE To visit a Web page, tap inside the address bar at the top of the window. The keyboard will slide up from the bottom of the screen. As you begin to type a URL, Safari displays a list of sites in your bookmarks and history that match; tap on one of the items in the list to open that page. Otherwise, type the entire URL and then tap on Go. When you're



Surf Safari At the bottom of the screen you'll see icons for navigating pages, sending them as e-mail links, and bookmarking sites for future reference.

Maps and GPS

Though the iPhone and iPod touch boast a class-leading Web browser and easy-to-use e-mail features, the Maps program, which takes advantage of GPS (only available for the iPhone 3G or later) and Wi-Fi hotspot technology, is perhaps the most impressive app of the lot. Maps gives your device all the place-finding and direction-giving functionality of Google's popular mapping Website (see "All about Options"). Even better, the GPS feature seamlessly integrates with many of your device's other features and third-party apps, including your contacts, calendar, and notes, as well as the Mail program. So you can instantly view a map of a contact's location, call or e-mail a business you've located, or find a hardware store within blocks of your current location, for example.



All about Options The Maps program has numerous view options to choose from, just like its online Google Maps counterpart.

About GPS

The iPhone 3G, 3GS, and 4 all have Global Positioning System (GPS) receivers, which let your device figure out exactly where it is by triangulating radio signals from satellites in orbit. The iPhone uses Assisted GPS, which essentially means that the phone's search for GPS information is assisted by computers at cell phone towers, improving speed and reliability. (First-generation iPhones, the iPod touch, and any iPhone 3G or later model that can't get a GPS fix can also use Wi-Fi and cell tower information to figure out their approximate position.)

The built-in Maps application uses GPS to track your current location. When you're in an app that uses location data, you'll see an arrow in the

Third-Party Apps



When Apple opened the doors in July 2008 to let third-party developers create programs for the iPhone and iPod touch, users purchased and downloaded more than 500 million apps and add-ons that picked up where Apple's standard applications left off.

From productivity boosters and audio recorders, to image editors and arcade games, there seems to be no end in sight of what these devices can do and where these apps can take them. Unfortunately, with so many options, it can be hard to distinguish the truly great apps from the merely weird and wacky ones. In the pages that follow, you'll find our favorite third-party programs. Stay on top of the latest and greatest applications with Macworld's App Guide: appguide.com.

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Access Apps

Apple gives you two ways to browse for new third-party apps; you can use iTunes while you're at your computer, or the App Store program on your iPhone or iPod touch while you're away from your computer. To access the App Store, you'll need to be running the latest version of iTunes. Also make sure your iPhone or iPod touch has the latest iOS update.

Get New Apps

Go to the iTunes Store on your Mac. You will see seven tabs running along the top: Music, Movies, TV Shows, App Store, Podcasts, Audiobooks, and iTunes U. Click the App Store tab. Using the App Store interface is similar to searching for music or videos. You'll see New And Noteworthy applications, along with What's Hot, Staff Favorites, and three Top Charts lists—top paid apps, top free apps, and highest-grossing apps.

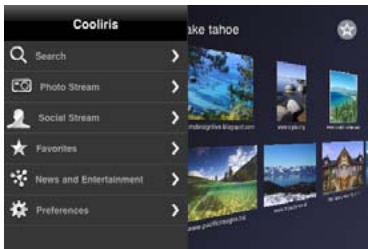
When you select an app in iTunes, you'll see a description of what it does, a screenshot, and user ratings. (You must own an app in order to review it.) You'll also find other useful information on the app's page. For example, you'll see its age rating and file size listed under its name—the latter is helpful if you're short on space. If you scroll down, you'll find the URL of the developer's Website, along with a list of compatible devices in the Description column (pay close attention to this last bit if you own a first-generation iPhone or an iPod touch).



Impulse Shopping You can use Apple's App Store to browse and buy new applications right from your device.

Be Productive

Thinking of leaving your laptop at home? With your iOS device, you've already got a capable computer right in your pocket. These handy apps help you get more done while you're out on the town.



Organize Searches

Imagine that the results of your Google searches were offered in pictorial form—an image that represents a link—and you begin to grasp what the free **Cooliris** (free; Cooliris, macworld.com/5016) is about. Supporting Google, Flickr, YouTube, Yahoo, Smugmug, and DeviantArt just like its free desktop counterpart, Cooliris lets you surf the Web's images in a Cover Flow-style view, and provides links to content based on those images. The interface is stunning and accelerometer aware.



Transfer Files

Whether you need to transfer images, Microsoft Office and iWork files, RTF documents, or anything else, **FileMagnet** (\$5; Magnetism Studios, macworld.com/5017) lets you move those files to your device and view them on the go. You name the file format—FileMagnet most likely supports it. You can even use the app's tilt-scrolling feature to read your documents without touching the screen, just by tilting.

Troubleshooting Tips



Even with all of its groundbreaking features and beauty, your iOS device can still run into the occasional problem. As with most machinery, expect to encounter a few wrinkles—such as freezes and crashes—that will need some ironing out.

Unfortunately, you are limited in the number of ways you can troubleshoot. You can only interact with the system through the various settings screens on your device itself. What's more, when you dock your iPhone or iPod touch, you can only work with it through iTunes (or iPhoto for photo syncing).

This chapter will walk you through the most common problems and mysteries you may encounter, as well as some troubleshooting techniques and solutions available for iOS users.

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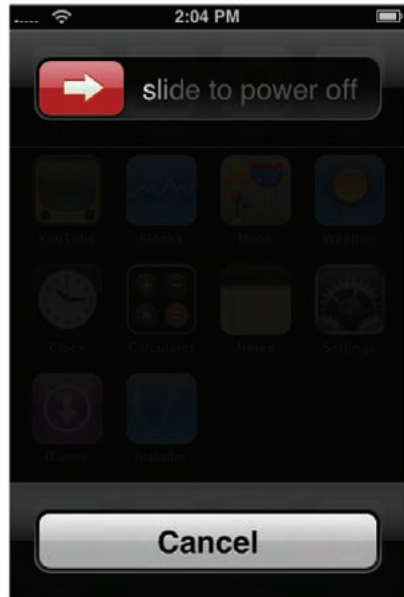
Tools of the Trade

Because its system is closed to end-user access, most traditional troubleshooting methods don't apply to the iPhone or iPod touch—you can't trash a program's preferences files or re-install a standard program on iOS, for instance.

A few remedies are available, however. And since the list of possibilities is very short, you don't need a lot of expertise to try them. Here are the things you can do to try to recover from various iOS maladies.

Force-Quit

In iOS 4, when an application freezes, you can force quit it from the multitasking shelf (bring it up by double clicking on the Home button). Press and hold on the offending app's icon until it starts to jiggle, adding a red minus button (-) to the upper left corner. Tap the minus button to quit the app. Alternatively, while in the problematic app itself, you can press and hold down the Sleep/Wake button on the top of your device until the red Slide To Power Off slider appears. Release the Sleep/Wake button but do not power off your device. Hold down the Home button for about six seconds. This should force your program to quit and return you to the Home screen.



Power Play When your iPhone or iPod touch starts acting up, treat it as you would any Mac and restart.

Restart

If the problem persists, try restarting. Press and hold the Sleep/Wake button on the top of your device until you see the Slide To Power Off option, then drag the red arrow to the right (see "Power Play"). Wait a

Fix Common Problems

Apple has put a lot of effort into making the iPhone and iPod touch as easy to use as possible. Still, there are plenty of challenges that can trip you up, from mystery attachments to confusing sync options. The good news is that most of these problems have solutions. Here are answers to some of the more common conundrums. If you're experiencing a problem that's not on this list, try Apple's troubleshooting assistant (apple.com/support/iphone or apple.com/support/ipodtouch).

Sync Your Data

Syncing your device with iTunes is the only way to get your media onto your pocket-sized player. It's also the most convenient way to add contact information, bookmarks, and calendar events. If you find yourself stumped by how your device syncs, read on.

If you have a computer at work that has all of your contacts and calendar information, and a computer at home that contains all of your music, you can make your device sync different content with each of your respective computers.

Apple has conveniently organized mobile data into discrete blocks, each of which you can sync with different computers: Info (MobileMe, contacts, calendars, mail accounts, bookmarks, notes); Apps, Ringtones, Music, Movies, TV Shows, Podcasts, iTunes U, Books (if the iBooks app is installed); and Photos (albums, events, and faces). For this to work, you need to go through each tab in iTunes and uncheck any items you don't want to sync on the new computer. For example, to keep music that you've synced with your home computer, uncheck the sync options in the Music tab on your work computer (see "Selective Syncing").

Although you can't plug an iPhone or iPod touch into another computer and have it merge media—music, videos, photos, and podcasts—from that other computer, it can merge data found in the Info tab, including contacts, calendars, e-mail accounts, notes, and bookmarks. It works this way: On the second computer, deselect the sync options in every tab but the Info tab. Then click on the Info tab and select any items you'd like to merge with your device—Contacts and Calendars, for example.

The Best Accessories



When you purchase an iPhone or iPod touch, Apple gives you most everything you need to get started: The iPhone includes a power adapter, a USB dock-connector cable, and a set of stereo earbuds with an inline microphone and inline buttons for hands-free calling and controlling volume and playback. The iPod touch includes the same cable, but includes standard earbuds without a microphone or inline controls.

But there are plenty of other useful accessories that Apple doesn't offer. Whether you're looking for Bluetooth headphones, or a protective case, you'll find scores of add-ons that let you do what you wish. Here are our picks for some of the most useful types of accessories for the iPhone and iPod touch, as well as some specific recommendations. For more reviews of the latest gear, go to iphone.macworld.com.

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Cases

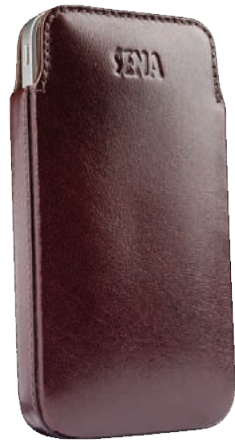
The sleek design of the iPod touch and iPhone make you want to show them off, but they're still vulnerable to scratches and scuffs. To minimize the risk of damage, consider using a protective case. Here's a rundown of the most common types of protectors; check out iphone.macworld.com for our reviews of iPhone 4 cases.

Whichever case you choose, make sure it doesn't block the iPhone's bottom-mounted speaker and microphone, top-mounted headphone jack and microphone, camera lens and flash on the back (and, for the iPhone 4, the camera lens on the front), and the light and proximity sensors near the top edge on the front (unless, of course, the case is designed so that you take your iPhone out to use it).

Pouches and Sleeves

Pouches and sleeves completely encase your iPhone to protect it from scratches. Some even provide extra padding to help guard against bumps, drops, and shocks. These cases tend to be relatively inexpensive. On the downside, many also limit access to the device's touchscreen—you have to pull out your iPhone or iPod touch to access features.

RECOMMENDATIONS: Marware CEO Sleeve (\$20; marware.com), Sena iPhone Elegia and Ultra-Slim (\$40 and \$30, respectively; senacases.com)



Sena Elegia

Holsters

Popular among iPhone owners, holsters let you store your iPhone on your belt for easy access, but you need to take the iPhone out of the case to use it.

RECOMMENDATIONS: Case-Mate Leather Hipster (\$30; case-mate.com), Seidio Spring-Clip Holster (\$30; seidioonline.com)

Shell Cases

If you don't need lots of protection—for example, if you keep your iPhone in your pocket, a purse, or a laptop bag—a shell-style case is right up

Headphones

Apple's white earbuds are pretty good as far as earbuds go, and the iPhone version even features an inline microphone along with buttons for basic playback and phone-call control. But if you're still using the stock 'buds, you're not enjoying your iPhone to its full sonic potential.

Here are the different types of headphones on the market, along with a few of our recommendations at various prices. Thanks to the popularity of the iPhone, a number of companies now sell iPhone-specific headphones with an Apple-style inline microphone/remote module; we've noted which recommended models include this module.

Earbuds

Earbuds, the type of headphones included with every iPod and iPhone, sit loosely in your outer ears. Although no earbuds produce outstanding sound, they're compact and relatively inexpensive.

RECOMMENDATIONS: Maximo iM-290 iMetal (\$30; maximoproducts.com), Sennheiser MX 580 (\$50; sennheiserusa.com)

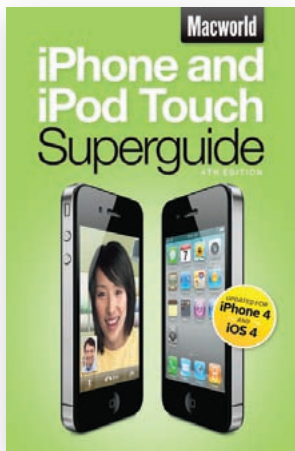


**Maximo
iM-290 iMetal**

In-Ear-Canal Headphones

These headphones, also known as canalphones, fit snugly—and fairly deep—in your ear canals. Like earplugs, they block most external noise, so they're great for travel and noisy environments. They're also capable of producing stunning audio quality. On the other hand, some people find them uncomfortable, and the best ones come with a hefty price tag. (For more information on in-ear-canal headphones, visit macworld.com/2709.)

RECOMMENDATIONS: Etymotic Research mc3 (\$99; etymotic.com; inline module), Shure SE210m+ (\$170; shure.com; inline module), Etymotic Research hf3 (\$179; etymotic.com; inline module), Future Sonics Atrio (\$199; futuresonics.com), Westone UM2 True-Fit Dual-Driver Earphones (\$300; westone.com), Ultimate Ears TripleFi 10vi (\$420; ultimateears.com; inline module)



Nobody spends more time with Apple's revolutionary products than the editors at *Macworld*. That's why there's no better team of experts to give you this updated and straightforward guide to the iPhone, including details on the iOS 4 update and the iPhone 4.

Inside these pages you'll find detailed instructions for mastering the most important features on your iPhone or iPod touch, as well as a few hidden ones. You'll learn how to manage your contacts, customize your settings, sync your data wisely, and connect to wireless networks while keeping your information

protected. Get insider tips for communicating using the phone, e-mail, and instant messages, including how to cut, copy, and paste text and images. If you have an iPhone 4 or the latest iPod touch, learn how to use the built-in video chatting feature FaceTime. Get oriented with built-in maps, GPS location technology, and the iPhone's compass.

Fill your device with movies and music using our strategies for converting video files on your hard drive or DVDs into iOS-compatible formats. We'll show you how to take advantage of iTunes' nifty space-saving features, including smart playlists that sift through your massive library and find the files you want quickly. Expand your device's capabilities with our picks for best third-party apps from Apple's App Store, as well as the coolest Apple and third-party accessories. And for those times when you run into problems, our experts offer vital troubleshooting advice and tips for solving common hiccups.

Whether you're on a Mac or Windows PC, using a first-generation iPhone, iPhone 3G, iPhone 3GS, iPhone 4, or any iPod touch, *Macworld's* award-winning team will show you how to get the most out of your device.

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