

iPad 2

SUPERGUIDE



Everything You Need to Know about the iPad 2

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Foreword



I used a laptop as my primary Mac for more than a decade, hauling it on my back between work and home every day. But within two months of getting an iPad, I stopped doing that. I bought a new iMac for work and stuck the MacBook in a drawer at home—all because the iPad had replaced my laptop for a huge number of my daily tasks. I didn't expect the iPad to be so immediately disruptive. But it was.

And the success the iPad has had in the market suggests that lots of other people have had that experience too.

For ages now, when I've been at home, I've kept my laptop tucked under the couch. With the arrival of the iPad in our home, however, there's no need to use either computer. Whether we're checking in on a game of Words With Friends, browsing Twitter, or quickly answering e-mail, the iPad works better for general-purpose Internet work than either our laptops or the iPhone.

This is not to say that the iPad is perfect for every job. I don't, for instance, use it to reply to e-mails at great length; if a message requires a long answer, I wait until I'm at a Mac. The same goes for any task requiring me to dig around for an old file. And yet, even with its limitations, the iPad can still do wonders. On an overnight business jaunt, I brought my iPad and Apple's Wireless Keyboard and was able to do some real writing. For a trip on which I would once have lugged a laptop, all I needed was the iPad.

The iPad is not perfect, and it's not a complete replacement for your computer—at least not yet. But it fits into your life in ways you might never before have considered possible. In this book, we've collected all our intelligence about the iPad. I hope that when you're finished reading, you'll have found plenty of new ways to make it an even bigger part of your life.

—Jason Snell

Editorial Director, *Macworld*
San Francisco, May 2011

PHOTOGRAPH BY PETER BELANGER



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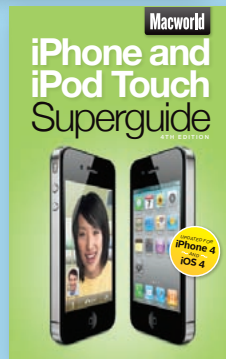
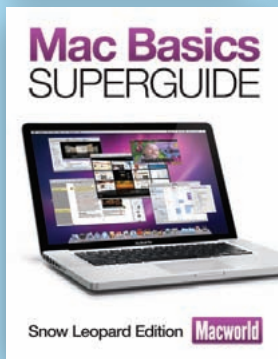
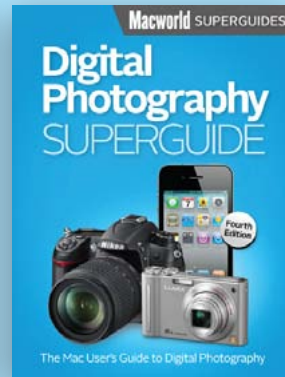
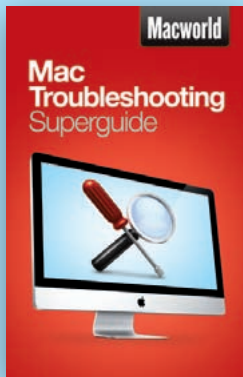
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Get Started

Before you can unleash your iPad's power, you'll need to take a few minutes to get acquainted with its hardware features—every button, switch, slot, port, and plug—and we've put together a comprehensive visual guide to help you do just that.

Once you know the outside, it's time for a software tour. Learn how to activate your iPad from iTunes; find out exactly what the difference between a *flick* and a *swipe* is; and organize your on-screen apps using folders and the Dock.

We'll also show you how to tweak your settings to your liking, and fill up your iPad with great third-party apps from the App Store.

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iPad at a Glance

It's always best to start from the beginning. And the beginning, in this case, is the outside of the iPad 2. Here is a quick guide to your iPad's switches, buttons, and ports.



Activate the iPad

Before you can start surfing the Web, reading novels, or typing e-mails on your iPad, you have to activate it. Fortunately, doing so doesn't require filling out paperwork or standing in line at the Apple Store.

What You Need

In order to activate and sync your iPad, you'll need a Mac or PC with a USB 2.0 port, iTunes 10 or later, the connection cable that came with the iPad, and an iTunes Store account. iTunes is not included in the iPad box, so if you don't have a copy, go to itunes.com/download and get 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). You'll also need your Apple ID and password. If you've ever bought songs from iTunes, what you use to log in there will be your Apple ID; if you don't have an Apple ID, you can create one for free by going to appleid.apple.com.

Set It Up

When you first plug your iPad into your computer, iTunes will launch and walk you through the activation process. The first screen will say "Let's Get Started" and will lay out the first two steps: registering your iPad and setting up an iTunes Store account. If you don't want to register your iPad at the moment, you can click the Register Later button on the left. If you're ready to register, click the Continue button.

Next you'll see the iPad Software License Agreement. Give it a read, check the box confirming that you have read and agree to the license, and click on Continue (if you'd like to look at this document again later, click the Save button before clicking Continue).

The iTunes Account screen is up next. This is where you enter your Apple ID and password to register your iPad. If you've ever purchased anything from the iTunes Store, you should already have a login. If not, click the radio button labeled I Do Not Have An Apple ID, then select your country, and iTunes will walk you through the sign-up process.

Master Gestures and Navigation

Now that you have your iPad activated and running, it's time to learn how to use it. Your device is running Apple's mobile operating system, iOS, which uses multitouch gestures. But before you start playing, you'll want to know the basics of working with iOS and your apps, and what they can (and can't) do. In this chapter, we'll walk you through basic gestures, help you take control of navigating and organizing, and throw in some typing tips.

Gestures and Techniques

If you've never before owned a multitouch device from Apple, you may be unfamiliar with crazy phrases like *pinch-to-zoom* and the difference between the *flick* and the *swipe*. Have no fear: While some of these gestures may have odd names, they're easy enough to pick up.



Tap As clicking is to a desktop computer, so is tapping to an iOS device. Tapping is the most common and basic gesture on the iPad. You tap to open apps, bring up controls, make choices from menus, and more.

Double-Tap Tap an object twice in succession to effect a double-tap. Double-taps are primarily used for zooming in or out on text, but third-party apps also use the double-tap for various purposes.





Customize Settings

To change and customize your preferences, you need only head over to the Settings app from your Home screen. The app is split into two columns: Along the left, you'll find a listing for each individual system setting, with entries for any downloaded apps below that; along the right, you'll see the contents of the currently highlighted setting. We explain each system setting in detail below.

Airplane Mode

If you travel frequently, Airplane Mode is a necessity: It temporarily switches off the cellular antenna and Wi-Fi, which could interfere with the airplane's navigational system. This allows you to safely use the iPad in the air once the captain gives the all-clear; for airlines that offer in-flight Wi-Fi service, you can reenable Wi-Fi without turning off Airplane Mode by flipping the Wi-Fi switch in Settings.

Wi-Fi

The Wi-Fi listing in the left column displays your current connection status (Off, Not Connected, or a network name). On the right, in the main Wi-Fi screen, the first setting is a On/Off toggle switch. If you have Wi-Fi turned on, a list of available networks will appear under the Choose A Network heading. If you're currently connected to a Wi-Fi network, that network's name will appear in blue and will have a checkmark by it. The bars by a network indicate its signal strength, and a lock icon means it requires a password. Tapping the blue arrow to the far right of a network's name brings up its advanced connection information. To join an unlisted network, tap Other and enter an exact network name. The final setting on this screen controls whether the iPad asks if you want to join new networks when you're out and about.

Notifications

A notification is a sound, a pop-up alert, or a badge on an application's icon that appears when an app needs to tell you something—for example, when you have a new instant message or it's your turn in a game.



Find More Apps

While Apple has a number of apps preinstalled to help you manage your calendars, e-mail, Web browsing, photos, and more, you may want to venture outside the sandbox for more varied fare. The App Store, which you can access on your iPad or via iTunes on your Mac, features more than 11,000 made-for-iPad apps and more than 225,000 apps for all iOS devices. If you have something you want to do on your iPad, chances are you can find a way to do it using the App Store.

App Basics

The iPad can run almost every one of the App Store's iOS apps, but only certain apps are specifically designed for your device's larger screen. There are three types of apps in the store: iPhone and iPod touch only, iPad only, and Universal.

Apps that are iPhone and iPod touch only will run on your iPad—but not full screen. This means when you first launch the app, it'll appear about half size (about the size of an iPhone) in the center of the screen (see “Alas, Poor App”). You can make it full screen, using a technique called



Alas, Poor App An app designed only for the iPhone or iPod touch will run on the iPad, but at half size, or, if you tap the 2x button, full size but pixelated.

Connect and Communicate

Apple calls the iPad “the best way to experience the Web, e-mail, photos, and video.” Now that you have your iPad set up, it’s time to learn how to best take advantage of these keystone features. In this chapter, we’ll be focusing on how to get online, communicate, and find your way around. We’ll walk you through getting connected (via Wi-Fi or 3G), browsing the Web with ease, setting up and writing e-mail, video chatting over FaceTime, and navigating with Maps. We’ll also suggest some related third-party apps that can fill in the gaps or expand upon the features in the built-in software.

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Get Connected

The iPad comes in three models: Wi-Fi only, and two versions of Wi-Fi + 3G—a GSM model, which uses AT&T's 3G network, and CDMA, which uses Verizon's. All three can connect over wireless home and business networks, but only Wi-Fi + 3G iPad owners can take advantage of the 3G cellular network—assuming they've signed up for a data plan. You can check which kind of network your iPad is connected to in the upper left corner of the screen: When on Wi-Fi, you'll see an upside-down pyramid representing the signal strength (the more bars there are, the stronger the signal); on a cellular network, you'll see a row of vertical white bars (again, more bars means a stronger signal) with the word 3G next to it.

Connect over Wi-Fi

Both the Wi-Fi-only iPad and the 3G iPad can connect over wireless networks. These are fairly common in homes and businesses, but they're not available everywhere, and your network speed depends on your local Internet connection.



Pair Up It's easy to connect your iPad to an available Wi-Fi hotspot using the Settings app.

Browse the Web

Now that your iPad is connected, you can browse almost everything the Internet has to offer. Apple's popular desktop browser, Safari, has been adapted for mobile use and comes standard on every iPad. While the mobile version has some limitations (it doesn't support plug-ins like Flash or Java), Safari can still usually get you anywhere you want to go.



Safari Basics

A blue compass icon represents mobile Safari. By default, Apple puts the app in the iPad's Dock, but you can move it elsewhere if you choose. Go ahead and tap the icon to open the browser. With the added screen real estate, the iPad version of Safari looks remarkably similar to its desktop counterpart. Everything you need to navigate Safari is along the app's top brushed-metal bar. From left to right, here's a breakdown of the features and options available to you.

A Navigation Arrows Tap either the backward (previous) or forward (next) button to travel through your current Safari window's history.

B Multiple Windows The stacked pages icon allows users to open up to nine different Safari windows for an optimal browsing experience. Tap the icon to bring up window view; you can remove or add new pages from this screen by either tapping the New Page option or selecting the black X in the upper left corner of the window.

C Bookmarks and History To access your device's history and bookmarks, tap the open-book icon, which will launch a pop-up window showcasing your device's favorites—including Bookmarks Bar selections, if you have them enabled.

D Save and Share The Share icon (represented by an arrow escaping from a rectangle) allows users to add the current page to their bookmarks, create a Web Clip by adding it to their Home screen, mail the page link, and print the contents of the page.





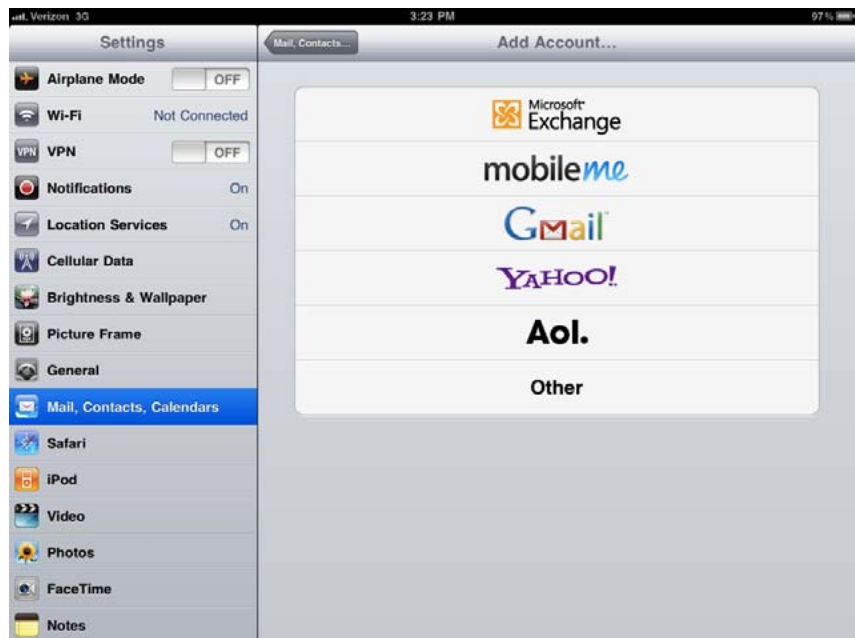
Check and Send E-mail

With the iPad, Apple claims, you can “see and touch your e-mail like never before.” While that may be technically true—there’s never been a 9.7-inch tablet running Apple’s Mail e-mail client—if you’ve ever used Mail on an iPhone or iPod touch, the experience will seem quite familiar.

Connect Your E-mail Accounts

In iTunes, you have the option to sync your existing e-mail accounts via iTunes. On a Mac, you can transfer accounts from Apple Mail. On a Windows PC, you can transfer account details from Windows Mail (included with Windows Vista), Microsoft Outlook Express (Windows XP), or Outlook.

If you skipped this step, or if you’re using Web-based e-mail, you can also set up these accounts directly on your iPad. Head on down to Settings → Mail, Contacts, Calendars and tap Add Account (see “Click and Go”). Apple has worked with most major e-mail providers to create automatic



Click and Go If you have a Microsoft, MobileMe, Gmail, Yahoo, or AOL account, you can quickly set up your e-mail.



Video Chat with Friends

For times when hearing a friend's or relative's voice just isn't enough, there's FaceTime. With FaceTime, not only can you talk to your friends and family, but you can see them too. So if you want to wave good night to your kids while you're on a business trip, or chat with loved ones across the country, it's as easy as a few taps.

Note that to use FaceTime, you must be on a Wi-Fi network—it won't work over the iPad's 3G connection. You'll also need a friend with a FaceTime device—an iPad 2, an iPhone 4, a fourth-generation iPod touch, or a Mac—who's also on a Wi-Fi network. It's additionally worth noting that FaceTime is strictly a one-on-one affair—those looking for a group video calling solution will have to find it elsewhere.

Activate FaceTime In order to use FaceTime, you'll need to log in with your Apple ID. Go to Settings → FaceTime and enter your Apple ID and password (the same combination you use to buy apps or media). Tap Sign In. (If you don't already have an Apple ID set up, you have the option to create one here.) Once you're signed in, you'll need to associate your account with an e-mail address, if you haven't already done so. (Note



Alternate E-mails You can add more FaceTime addresses from the Settings app.



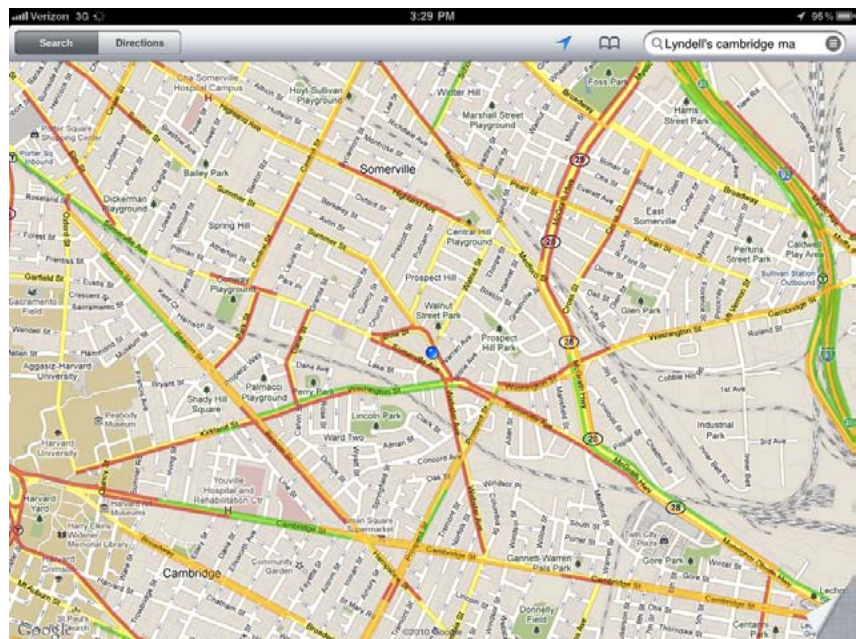
Navigate with Maps

Few things are more frustrating than trying to unfurl a full-size map while driving or walking around. With Maps on the iPad, you can view, zoom, and get directions for almost any destination in the world—without the hassle or clutter of toting around paper maps. The 3G iPad even comes with a built-in compass and GPS receiver.

Get Oriented

Apple's built-in Maps app uses Google Maps to deliver search results, driving directions, satellite views, street views, and more, so it's no surprise to see the little Google logo in the lower left corner of the screen when you first open the app (see "Mapped Out").

If you're using a 3G iPad, you're lucky enough to have a Global Positioning System (GPS) receiver, which lets your device figure out exactly where it is by triangulating radio signals from satellites in orbit. The iPad uses Assisted GPS, which essentially means that the device's search for GPS



Mapped Out The app uses the entire 9.7-inch screen for displaying routes and roads.

Productivity

Yes, the iPad is fun and entertaining, but it's also a practical device that serves as a productivity tool. You can use the iPad to stay organized with the included Calendar, Notes, and Address Book apps. Even though it lacks a physical keyboard, the iPad makes a great mobile office. Apple has turned its iWork suite into three iPad apps—Pages, Keynote, and Numbers—that you can use to read and create documents directly on your iPad.

Once you have Apple's iPad software figured out, you can expand your iPad's abilities with powerful third-party productivity apps.

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Get Organized

The iPad comes stocked with Apple's basic apps for organizing your life. Keep on top of your day-to-day activities with the Calendar, use your iPad as a scratchpad for to-do lists and ideas with the Notes app, and keep track of all your acquaintances with Contacts.



Calendar

Need to know what's happening next in your life? The iPad's Calendar app lets you see recent and upcoming events, as well as enter new ones. You can even set alerts in Calendar so you don't miss a thing. The Calendar app has a nice embossed background reminiscent of a physical day planner, but beyond that, it's very much like Apple's iCal application for Mac OS X, except that it's a little better—it's more responsive and provides more-flexible views of your schedule.

View the Calendar Tap the Calendar app from your Home screen to bring up the main calendar view. Along the top of the calendar screen are four buttons that bring up different view options: Day **A**, Week **B**, Month **C**, and List **D**. To the right is a Search field **E** that displays a drop-down menu of possible event matches as you type search terms. At the bottom is a slider that lets you jump ahead or back in time, and a Today button to bring up the current day. Tap the Calendars button in the upper left corner of the screen **F** to see a list of all calendars currently synced with your iPad. You can select one or multiple calendars, or tap Hide All Calendars. Each calendar is color coded, so you can tell what items belong to which calendar. An Invitations button next to the Calendars button will display any event invitations awaiting response.



If you tap Day, you'll see Calendar's day view, which displays up to eight hours of events at a time. You can scroll up or down to see events that are happening earlier or later in the day. All-day events appear at the top of the window, even when you scroll. Above the list of events you'll see the day and date you're currently viewing (if you're viewing today's events, that text will appear in blue), as well as a 30-day calendar for

iWork on the iPad

Some of the most powerful business apps on the iPad are slimmed-down versions of Apple's office desktop programs. Apple has turned its Mac office suite, iWork, into three iPad apps—Keynote, Numbers, and Pages (\$10 each). You must purchase these apps individually through the iTunes App Store.

Navigate iWork Apps

The three iWork apps share a common look and feel. When you first launch each app, you'll get a Get Started guide for that app.

In the upper left corner, a button (called My Documents, My Spreadsheets, and My Presentations in Pages, Numbers, and Keynote, respectively) gives you access to the Document Manager. Here, you can swipe through thumbnails of every document that the app has stored on your iPad. Along the bottom of the screen are four buttons that appear in each app. The first is for send and upload options **A**, the second brings up download options **B**, the third starts a new document **C**, and the fourth is for deleting a document **D**.



In the Document Manager, you can view your current projects; create new ones; share documents; import them from iTunes, iDisk, or a WebDAV server; and delete them. Tap New Document in the upper left corner to start a new project. You can choose from a variety of templates, depending on the app.

Once you've created a new document or opened a current project, you'll enter the app's main editing interface. While each app has its own toolbar peculiarities, the general orientation remains the same throughout: Tools at the top, with the document laid out below. Some buttons are universal: You'll find My Documents—which returns you to the Document Manager—and Undo along the left in every app, while the Info, Tools, Insert, and Full Screen buttons appear on the right side of the toolbar.

Microsoft Office and Google Docs

If you're using your iPad for almost any kind of business, there is a good chance that you'll need to work with Microsoft Office files or Google Docs in some capacity. Fortunately, there are plenty of options for editing and viewing Office files. And thanks to Google's frequent updates to Google Docs, it's become a fairly useful Web app on the iPad.



Microsoft Office

Unlike the iPhone and iPod touch, the iPad was designed with the needs of typists in mind. The screen size, the large virtual keyboard in landscape orientation, and the support for external keyboards make the iPad a natural choice for working with Office documents on the go. For many people, that means reading, editing, and saving Microsoft Word, Excel, or PowerPoint documents. Even though there's no iPad version of the Microsoft Office suite, you can work with these documents on your iPad if you're willing to accept a few compromises.

Read Only Often you just need to read your important Word, Excel, or PowerPoint documents. This is easy enough to do on the iPad even without a third-party app. All you have to do is get the relevant documents onto your iPad. For example, you can e-mail documents to yourself as attachments, or use an app designed for transferring and viewing documents, such as Avatron Software's \$10 Air Sharing HD (macworld.com/6707), Good.iWare's \$5 GoodReader (macworld.com/6136), or Readdle's \$5 ReaddleDocs for iPad (macworld.com/6654).

Editing these documents is a bit trickier. No matter which method you use to import Word documents, some elements of your document (especially formatting) may get lost in translation.

Edit Documents with iWork Apps Pages for the iPad can import documents in Word format, Numbers can import Excel spreadsheets, and Keynote can import PowerPoint presentations. The iWork suite

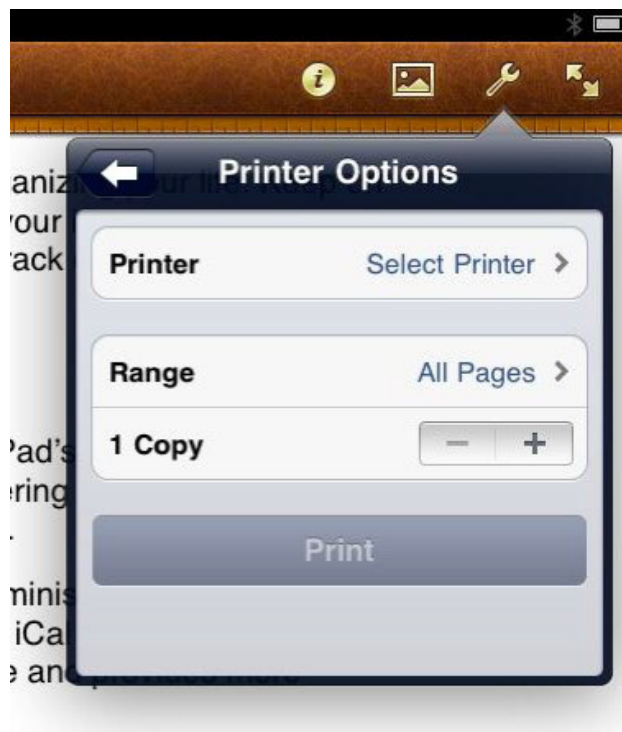
Print from the iPad

The process of printing from an iPad has improved since the device was first released with no built-in printing functions. Several printer companies, including Hewlett-Packard, Epson, Kodak, and Brother, took it upon themselves to release apps that allow photo printing from an iOS device to specific printer models when both are connected to the same wireless network. There are also some third-party apps for printing, but they can be expensive, and many require downloading and running software on a host Mac to which a printer must be attached.

AirPrint

Apple has attempted to solve the printing dilemma by adding a wireless printing feature called AirPrint to the iPad operating system. With this feature, iPad users can print Web pages, e-mail messages, and photos directly to an AirPrint-enabled printer.

iPad Printing AirPrint in iOS cuts the cord for printing from an iPad.



4

Multimedia

The iPad's 9.7-inch screen is great for viewing photos and video, reading, playing games, and creating finger-painted masterpieces. Add some photos from your computer or the iPad's built-in camera, and you can instantly create a classy slideshow to show family and friends. With the iPad 2, you can create, share, and interact with the world, as well as stream video and audio on the go.

In this chapter, you'll learn how to best sync, work with, and enjoy your media files.

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Sync and Load

Before you can enjoy your music, photos, videos, books, and games, you must first get them onto your device. There are two ways to do this: You can either sync with iTunes, or download media from the iTunes app on your iPad.

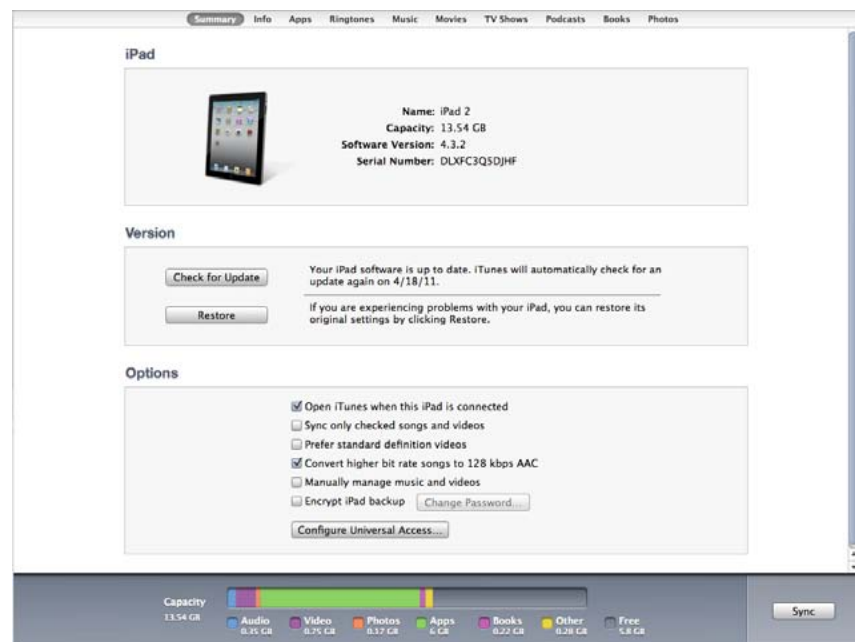
Sync with iTunes

Like most people, if you have any kind of media collection, you probably keep most of it on your computer. To get your music, videos, and books onto your iPad, you'll have to import it into iTunes. (If you're trying to import a file that's not compatible, see "Make Content iPad-Friendly" later in this chapter.) For photos, you can sync with a folder or application: Mac users can use iPhoto 4 or later or Aperture 3 or later; Windows users can use Photoshop Elements 3 or later.

Connect your iPad to your computer and open iTunes to adjust your preferences (see "That Syncing Feeling"). From there, it's just a matter of clicking on the tab for the content you want to sync.

That Syncing Feeling

When you connect your iPad to your Mac or PC, iTunes lets you choose which types of content to sync, and provides individual categories for customized syncing.



Music

The iPad can serve as your virtual boom box, piano, worldwide karaoke joint, or online radio station. Organize your iTunes content in the iPod app, listen to streaming music using apps from the App Store, or, better yet, create music of your own.



The iPod App

When you open the iPod app, it's obvious that it has taken a few visual cues from iTunes. The app sports a Source list (labeled Library), displaying entries for Music, Podcasts, Audiobooks, iTunes U, and Genius Mixes, as well as smart and standard playlists you've synced or, in the case of standard playlists, created with your iPad.

Section Controls At the top of the screen are play controls, a scrubber bar, volume control, and a Search field. Below that is a two-pane view showing your library. Tap Music, and you'll see Songs, Artists, Albums, Genres, and Composers buttons along the bottom center of the screen for displaying your tracks in these various views (see "Music Tastes").



Music Tastes You can view your music by songs, artists, albums, genres, or composers.

Videos

Slim and light, the iPad is the perfect device for watching movies or television while you're sick in bed, or for enjoying a video on the plane. You can watch content from your iTunes library, rent TV shows or movies from the iTunes Store, browse the YouTube app for moments of brilliance, or stream online video from one of many third-party apps.



Watch Videos

Offline, the best way to watch video is using the built-in Videos app, which pulls from content you've synced from your iTunes library. The Videos app is tasked with sorting your videos into rentals, movies, TV shows, video podcasts, music videos, and videos from iTunes U. If you have applicable videos, you'll see a button for the respective category along the top center bar.

Tap one of the category buttons to see an icon-view list of that section. Movies and TV shows you've purchased display only the artwork associated with them. There's no title information, so if you're unfamiliar with the artwork or have no artwork, you'll need to tap the artwork or the gray box to learn what the video is. (Homemade videos exported to iTunes from iMovie, with no embedded artwork, will display the title of the film in place of the icon.) Podcasts, music videos, and iTunes U content provide the title of the item below the artwork.

You can't rearrange the order of items on these screens, but you can delete them by simply tapping and holding the respective clip until you see an X icon in its upper left corner (similar to the one that appears when removing apps).

Tap a video's artwork to see more details about it. For movies or rentals downloaded from the iTunes Store, commonly presented information includes the film's rating, studio, year made, whether it's presented in HD (720p) or SD (480p) quality, a summary, actors, directors, producers, and, possibly, screenwriters. You can switch from the Info pane to the Chapters pane, to view the film by chapter, by tapping the respective button in the upper right corner of the column. Music videos and home-converted video will show the year of creation or release (often Unknown); the clip's length, dimensions, and file size; and the codecs

Photos

The iPad makes a fantastic electronic photo album. You can pass it around to friends curious about your latest vacation, hook it up to your television for some large-screen viewing, or turn on Picture Frame mode and create an instant slideshow. But its abilities don't stop there: The iPad 2 has two cameras for snapping low-resolution images and shooting video. And with Apple's Camera Connection Kit, you can import photos from your camera and edit them with third-party iPad apps.

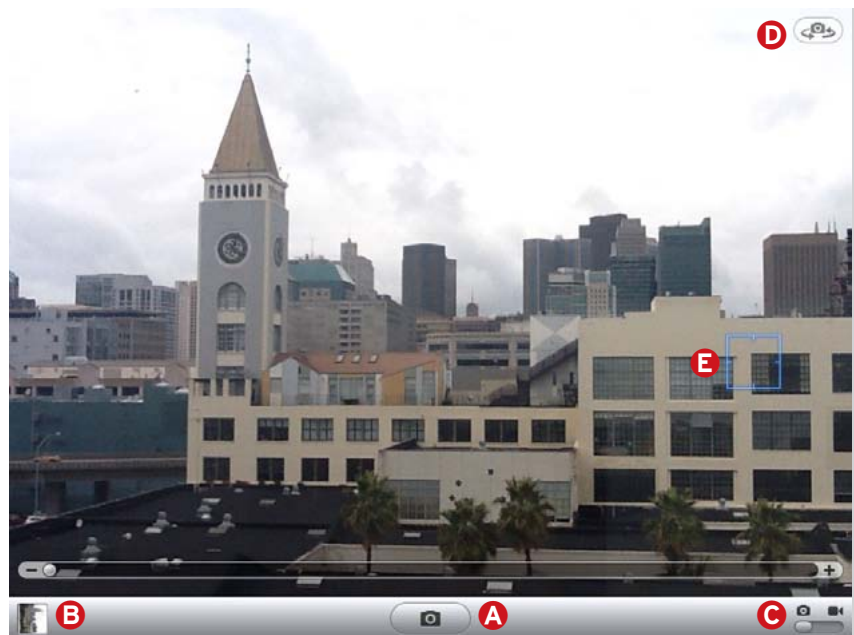


Use the iPad 2's Cameras

The iPad 2 has not one but two built-in cameras: a 0.3-megapixel VGA front-facing camera, and a 0.7-megapixel camera located on the rear of the tablet. To shoot still images or record videos with these cameras, launch the Camera app by tapping its icon on the Home screen.

There are several buttons and toggles on this screen (see “Start Shooting”): The Camera button **A** snaps a photo or starts and stops a video recording. You'll hear a shutter-click sound effect when your device captures a still image. Within moments, the camera is ready to take the

Start Shooting The iPad 2's built-in Camera app can be used to capture video or still images from the front or back camera.



Books and Reference

Reading, viewing PDFs, and skimming news on the iPad is a snap thanks to a variety of both built-in and third-party programs. Apple's iBooks (with its attached iBookstore) provides clean, simple e-book and PDF reading, while other apps offer different catalog selections, free books from Project Gutenberg, RSS feeds from news sources, and Wikipedia articles. You're never too far from some good reading.



Read Books

The iPad version of iBooks offers a very pleasant reading experience for both ePubs (a popular e-book format) and PDFs, with both portrait and landscape modes. In landscape, the iPad splits the text across two virtual facing pages; in portrait, it limits text to a single page at a time. To keep your iPad's virtual pages from constantly shifting orientation while you're reading in bed, double-tap the Home button and swipe right to bring up Orientation Lock, or use the hardware switch, depending upon how you've configured that switch in the Settings app.

iBooks offers a host of options for navigation and for tweaking your book's look. Single-tapping anywhere on the text hides most of these interface elements; tapping again brings them back. On the bottom, a small indicator tells you where you are in the current chapter. The app also offers great features for exploring and annotating the books you read. You can search the full text of the book for words or phrases in seconds, and jump straight to those passages. You can add bookmarks, highlight sections, and add notes, all of which are then easily discoverable from the book's table of contents. You can tap and hold a word or phrase to look it up using the built-in dictionary, Google, or Wikipedia.

You can choose from six fonts, including Georgia (see "iBooks Display Options"). iBooks also lets you pick one of 11 font sizes; the app also lets you disable full justification, although you must jump over to the Settings app to toggle that preference. iBooks lets you choose a white background with black text, or a sepia background with dark brown text. And you can adjust the brightness, a must for nighttime reading.

If you want access to books not available in the iBookstore, or you already own a dedicated e-reader, third-party apps may be able to give

Games

When talking about entertainment on the iPad, it would be remiss to overlook gaming. The iPad 2's accelerometer makes driving and action games interactive, while its multitouch screen provides you with several angles to control and engage. You can even connect with others and join a multiplayer campaign, thanks to Apple's Game Center.



Connect with Game Center

Game Center allows you to connect with friends and strangers alike, according to your game-playing habits. You can challenge your friends and allow them to challenge you, compare scores, discover new games they're playing, and get matched with other iPad users. Furthermore, you can stay connected to your gaming circle with notifications, streaming video, leaderboards, and stats.

You'll find Game Center on your Home screen, installed by default. The first time you launch the app, an interface that resembles a green poker table, scattered with clusters of apps, will greet you. Game Center will ask you to enter your Apple ID and password, the same one you use to purchase music from the iTunes Store. If you don't have an Apple ID, you can create one directly within the program. You'll also get to pick a username, which will identify you on the service.

Once you've signed in, you'll be greeted by your profile, which includes your username and friend count, the number of Game Center-enabled games you have on your iPad, and your number of achievements. There's also space to write a short blurb, and beneath that a button showing your Apple ID account. You can tap this button at any time to view or sign out of your account, if you're sharing an iPad with siblings or a significant other. Tap View Account to access important Game Center settings. These include allowing invitations from friends and strangers, allowing people to find you by e-mail, and choosing what e-mail addresses you want to associate with your account. You can also edit your nickname, change your account information, and change your region here.

Along the bottom of the app are four tabs: Me, Friends, Games, and Requests. When you start the app, you'll load the Me tab, which show-

Share and Stream

In addition to watching local content stored on your iPad, there are also ways to stream content from your computer to your iPad, as well as share the music and video from your iPad on a large HDTV screen (both wired and wirelessly). Here are some of your options.

Use Home Sharing

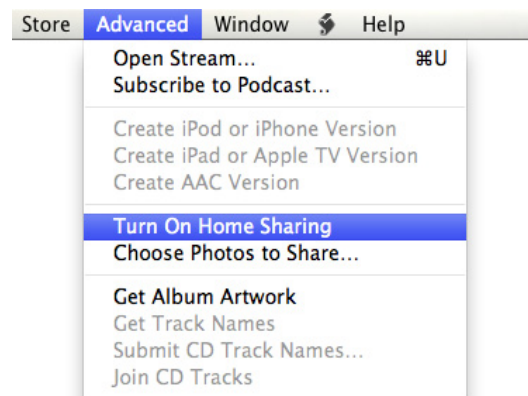
Introduced in iTunes 9, Home Sharing was initially designed to allow you to share music and copy files between iTunes on different computers over a local network. But with iTunes 10.2, you can now use Home Sharing to stream content to iOS devices as well. Here's how it works.

iTunes Setup To start with, you need to activate Home Sharing in iTunes on each of the Macs (and Windows PCs) whose libraries you want to share. To do this, go to the Advanced menu in iTunes and choose Turn On Home Sharing (see “Sharing Is Caring”). You'll be prompted to enter your Apple ID and password. This is where the Home Sharing feature has its limits: Only computers that share the same iTunes account can use Home Sharing. If each of your family members has a different account, you'll have to choose just one for Home Sharing.

Once you've activated Home Sharing, any user can listen to or view content in another user's library. In addition, you can copy items from other libraries: Select any item, then click the Import button to add it to your library.

Sharing Is Caring

With Home Sharing, you can stream content from iTunes directly to your iPad—no syncing necessary.



Troubleshooting Tips

It's a fact of life: Computers crash. Unlike a desktop or laptop, however, the iPad is fairly easy to triage, even if you're not tech savvy. This chapter will walk you through some of the basic steps to get your device back up and running again after a slowdown or a crash, attempt to answer some of the most common iPad support questions, advise you on when to seek outside help, and, finally, offer some tips on protecting and securing your data.

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Quick-Fix Tools

It doesn't happen often, but on occasion, things get wonky. The app you're in won't respond. Or maybe your iPad just shut down, and you can't get it to turn on again. Whatever the case, you can use any one of these tools to get yourself back to surfing and playing games in no time.

To Force-Quit or Not to Force-Quit

Uh-oh: You're surfing the Web, when all of a sudden mobile Safari stops scrolling. You try tapping any of the on-screen buttons, but you can't get a reaction. The app has become utterly unresponsive.

This kind of situation is called an app freeze or crash. For whatever reason, the app has encountered an error it can't recover from, so rather than get itself further into trouble, it's stopped doing everything while it tries to figure out what the problem is and solve it (if it even can).

If you don't want to wait for the app to try to fix itself, you can tell it to force-quit. There are two ways to do this. If the app's not completely frozen, and you can get to the Home screen, you can double-click the Home button to bring up the multitasking shelf. Find your app's icon and tap and hold it; after a moment, the icons will start to wiggle and a little minus button (-) will appear in the upper left corner of each app (see "Do the Wiggle"). Tap the minus button of the unresponsive app, and it will shut down. You can then safely relaunch it from your Home screen.

Do the Wiggle Unlike a computer, the iPad normally automatically manages whatever programs are open, so you don't have to quit each manually when you're done with it; however, if your device is feeling sluggish, you can always try force-quitting applications to speed it up.



If your app is totally frozen and you can't get to the Home screen, hold down the Power button on the iPad until the Slide To Power Off slider appears. Then release Power and hold down the Home button until the app exits.

Common iPad Questions

Even the best-designed device can run into trouble, and the iPad is no exception. Here are answers to some of the most common problems you may encounter. If you're experiencing one that's not on this list, Apple's troubleshooting assistant may be able to help solve your issue (apple.com/support/ipad).

Apps, Apps, Everywhere

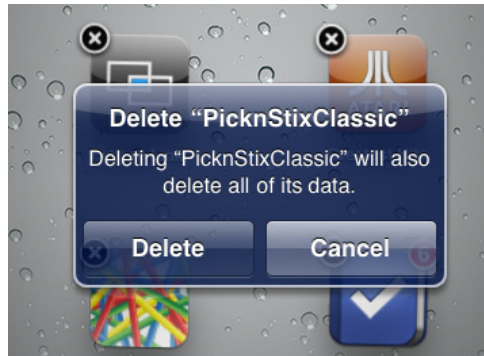
Questions about malfunctioning apps? You've come to the right place.

My App Has Frozen Check out “Quick-Fix Tools” earlier in this chapter for help with force-quitting an app or restarting your iPad.

Why Are My Apps Wiggling? Tapping and holding an app on your Home screen will bring your apps into Edit mode, where you can move them, arrange them into folders, or delete them. Occasionally, you can accidentally press and hold an app, which will bring your icons—seemingly out of the blue—into Edit mode. To fix this, simply click the Home button. This will return your device to its normal state. If you see those shimmying apps in the multitasking shelf, you can stop their motion by simply tapping on the iPad's display.

Wait, Wait, Do Tell Me

To prevent accidental deletions, your iPad will always ask you to confirm before it gets rid of an app.



I Accidentally Deleted an App

When you're in Edit mode, you can delete programs by tapping the X in the upper left corner of the app's icon. The iPad tries to prevent accidental deletion with a dialog box asking you to confirm your decision (see “Wait, Wait, Do Tell Me”), but things can still happen.

Thankfully, you can recover your lost app in several ways: You can resync with your computer and restore the missing app, or you can redownload your app for free from the App Store. To resync, just connect your iPad to your computer, go to the Apps tab, and select the app in the scrollable

Seek Outside Help

As you've seen, you can troubleshoot many basic software issues yourself. However, there are times—especially if the problem involves hardware—when you'll want to call in the experts. Here are a few ways to identify these issues and figure out whom to call if they happen.

iPad Hardware Issues

There are some problems that go beyond software. Here's a rundown of the big ones, and some ideas on where to go.

DOA If your iPad won't turn on, and you've tried everything suggested in “Quick-Fix Tools,” take it to an Apple Store or Apple Authorized Service Provider, or call AppleCare. Your iPad is covered under a limited warranty for 90 days of phone support and one year of in-store coverage (or two full years of both if you purchase Apple's extended coverage option), so if you're having problems, it's best to get them checked out immediately. Going to see an Apple Genius or a technician at an Apple Authorized Service Provider in person is recommended, but if you live out of reach of these options, AppleCare's phone service is available during business hours.

I See Dead Pixels Your LCD screen is made up of tiny lit dots called pixels. Occasionally one of those lights will go out, resulting in a small, oddly colored dot on your screen. One or two dead pixels is nothing to worry about, but if you start to see a large concentration of them while your iPad is still under warranty, you'll want to take your iPad to an Apple Store or Apple Authorized Service Provider, or call AppleCare. This issue isn't usually covered under warranty unless you have more than four dead pixels in a screen, but it's always a good idea to check with professionals.

Shattered Screen Whether your iPad experienced an untimely drop, or something mistakenly sailed its way, shattering its screen, this is an unfortunate and dangerous situation. The iPad's warranty does not cover accidental damage, but you may be eligible for a discounted replacement.

Liquid Damage Spills are never fun—and especially not when they involve electronics. If you get your iPad wet, the best thing to do is to power it down, dry it off, and lay it flat in a temperate place (out of direct

Security Tips

Your iPad may be in fine condition when you first remove it from the box, but if you don't take measures to protect it, you could be in for some trouble down the line. These suggestions can help keep your device secure from would-be intruders, thieves, or Internet snoops.

Set a Passcode

To protect your iPad from prying eyes (or overcurious children), you can set a passcode in Settings → General → Passcode Lock. You can choose between a simple passcode (a four-digit number) or one that includes alphanumeric characters. Once you've set a passcode, you can change it; tell your device when to require you to enter it (immediately, after 1 minute, after 5 minutes, after 15 minutes, after 1 hour, or after 4 hours); choose whether to show the picture frame on the lock screen; or set your device to erase data after 10 failed login attempts (see “Password? What Password?”).

Password? What Password? Assign a simple (four-digit numeric) or an alphanumeric passcode—one you can remember—and choose security settings.



If you forget your passcode, you'll have to restore from an older backup of your iPad to access your data. Connect your device to your computer, open iTunes, and click Restore to proceed with the reinstall.

Find Your Lost iPad

Thanks to the iPad's location services, it knows where it is—to a greater or lesser extent, depending on whether it's a Wi-Fi + 3G model (which has GPS circuitry built in) or a Wi-Fi-only iPad, which relies on nearby Wi-Fi hotspots to determine its whereabouts. Apple has leveraged this talent so that you can more easily find a misplaced or stolen iOS device. The means for doing this is the iPad's Find My iPad feature.

To set up your iPad to use it, just go to Settings → Mail, Contacts, Calendars and tap the MobileMe entry. If you have an Apple ID and

Accessories

When you purchase an iPad, Apple gives you a few basic accessories to get started, including a power adapter and a USB dock-connector cable. But there are plenty of other useful accessories that Apple doesn't offer.

Whether you're looking for a Bluetooth keyboard, a protective case, high-quality headphones, or a set of speakers for listening to music out loud, you'll find scores of add-ons that let you do more with your device.

Here are our picks for some of the most useful types of accessories for the iPad. For reviews of the latest gear, go to macworld.com. For details on which types of older accessories will work with the iPad 2, check out macworld.com/7264.

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Cases

The sleek design of the iPad makes you want to show it off, but it's 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, along with examples of some of our favorites. Whichever case you choose, make sure it doesn't block the bottom-mounted speaker and microphone—unless, of course, the case is designed so that you take your iPad out of the case to use it.

If Apple's offerings aren't to your liking, there are hundreds of third-party iPad cases on the market, and scores specifically for the iPad 2. When shopping for a third-party case, here are a few quick tips: First, keep in mind that the original iPad and the iPad 2 have slightly different shapes, so a case for one may not fit the other. Similarly, when shopping for an iPad 2 case, be sure to check the bag's specs with Apple's iPad specifications, or e-mail the vendor, to confirm that the shipping product actually fits the iPad. Some vendors started making their iPad 2 cases and bags before the iPad 2 was even shipping, and not all fit perfectly. Finally, if you see a bag that claims to be perfect for both iPads and netbooks, be doubly careful. Most of the bags that claim to fit both classes of products end up being a poor fit for the iPad—the iPad is *much* thinner than the typical netbook and will swim around inside.

Apple Smart Cover

Apple's in-house protector for the newest iPad can't really be called a case—as its name implies, the Smart Cover (polyurethane, \$39; leather, \$69; apple.com) is really just a cover, and one that protects only the iPad 2's screen at that. But oh, what a clever cover it is, containing a slew of cleverly arranged magnets that let the Smart Cover's hinge attach, perfectly oriented, to the edge of the iPad; adhere to the iPad's screen; and automatically sleep and wake the iPad when you close and open the cover, respectively. The Smart Cover also rolls up into a triangular shape to act as both a typing and a viewing stand. (Note that if you want to use the Smart Cover with another case, make sure the latter leaves room for the Smart Cover's attachment.)



Apple Smart Cover

Headphones

Unlike iPods and the iPhone, the iPad doesn't come with a set of earbuds, so you'll need to add your own for private listening. Apple's white earbuds will work, and they're pretty good as far as earbuds go—the iPhone version even features an inline microphone along with control buttons. But there are better models available that will let you enjoy your iPad's full sonic potential. Here are the different types of headphones on the market, along with a few of our recommendations. We've noted which models include an inline remote/mic module.

Earbuds

Earbuds 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).



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 stunning price tag. (For more information on in-ear-canal headphones, visit macworld.com/2709.)

Recommendations: Etymotic Research hf3 (\$179; etymotic.com; inline module), Etymotic Research mc3 (\$99; etymotic.com; inline module), Shure SE210m+ (\$170; shure.com; inline module), Future Sonics Atrio (\$199; futuresonics.com), Ultimate Ears TripleFi 10 (\$420; ultimateears.com; inline module).

Speakers

Your iPad is a great music player, but sometimes you need a break from direct-to-brain listening, or you want to share your music with others. A good set of speakers will help you cut the (headphone) cord with your device. Here are the various types of speakers out there, along with some of our recommendations for each type. For each, we've indicated whether it has a true iPad dock cradle, an iPhone-size dock, or a standard audio connection. (Newer speakers with the “Made for iPhone” designation exhibit less interference when used with a 3G iPad that's not in Airplane Mode.)

CableJive dockXtender Cable

There aren't many speaker systems that accommodate the iPad's large size. But you're not entirely out of luck—CableJive's dockXtender cable (\$26; cablejive.com) lets you use the iPad with any dock-connector speaker system (including that older iPod or iPhone speaker dock you've got sitting around). Just plug one end of the cable into the iPad's dock-connector port, and plug the other end into the dock connector on your speakers. (Keep in mind that iPhone and iPod speaker systems will charge the iPad very slowly, if at all.)



dockXtender



iMainGo 2

Portable Speakers

If you want to pack your speakers in your luggage, laptop bag, or backpack, you need something small, light, rugged, and battery powered. You sacrifice some sound quality for such convenience.

Recommendations: Portable Sound Laboratories iMainGo 2 and iMainGo X (\$40 and \$70, respectively; imaingo.com; audio jack), Nuforce Podio PS-106 (\$59; nuforce.com; audio jack), Altec Lansing inMotion Classic (\$130; alteclansing.com; iPhone dock, audio jack), Logitech Rechargeable Speaker S715i (\$150; logitech.com; iPhone dock, audio jack).

Other Accessories

Of course, sound and protection are just the beginning when it comes to outfitting your iPad with cool accessories. There are a number of tasks this device can perform with the right equipment. Here are a few of our favorite add-ons.

Apple iPad 2 Dock

If you want a stable cradle to hold your iPad while it's charging or syncing, Apple's simple iPad 2 Dock (\$29; apple.com) will do just fine. In addition to keeping your iPad upright—alas, in portrait orientation only—the Dock offers a dock-connector port for charging, syncing, or (with the appropriate cable) outputting video, as well as a stereo-audio output for connecting to powered speakers or a stereo system.

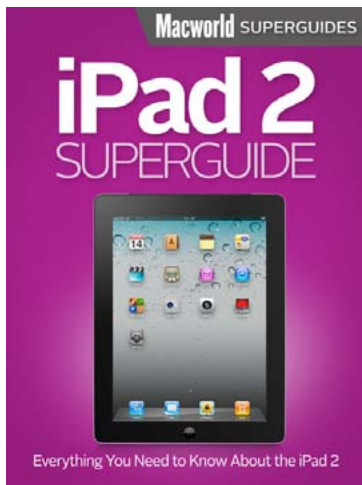
Stands and Mounts

Many iPad cases include a modest stand that lets you prop up the player for better video viewing or for more comfortable typing. But if you want more stability, more angle options, and perhaps adjustable height, consider a dedicated iPad stand or wall mount.

Recommendations: Bweasel iPad Stand (\$30; bweasel.com), Griffin Technology Loop (\$30; griffintechnology.com), Original Kitchen iPad Rack (\$30; kitchenipadrack.com), Twelve South Compass (\$40; twelvesouth.com), Rain Design iRest Lap Stand for iPad (\$50; raindesigninc.com), Luxa2 H4 iPad Stand (\$60; usa.luxa2.com).



Twelve South Compass



There are so many things you can experience, watch, and even create using Apple's iPad that it's hard to know where to start. Thankfully, nobody spends more time with Apple's revolutionary products than the editors at *Macworld*. That's why there's no better-qualified team of experts to create this straightforward book on the iPad 2.

Inside this book, you'll find a complete rundown of the best ways you can use your iPad to communicate, be productive, and enjoy multimedia. First activate your iPad and fill it with your favorite music, movies, television shows, podcasts, apps, and files

using iTunes. This book will show you how to convert media for easy iPad consumption; master multitouch gestures and tweak system settings; keep your Home screens organized with folders and multitasking; and conquer the secrets of its virtual keyboard. In case you run into any issues while using your device, this book also contains invaluable troubleshooting advice, including how to protect your iPad from would-be intruders.

It may not have the power of a full-fledged notebook computer, but the iPad is great at adapting to your needs. Organize your Contacts, Calendar, and Mail with built-in apps, or chat with your friends using FaceTime. Turn your iPad into a work machine by creating documents, spreadsheets, and presentations, or share your files like a pro. Turn your iPad into an e-book reader with Apple's iBook app, or into a picture frame with the instant slideshow button. Finally, create music, paint masterpieces, edit photos, or perform any number of other tasks with the great third-party apps available in the App Store.

Whether you're brand-new to the iPad or a seasoned expert, this book will show you how to get the most out of your device.



[Click here to buy the full 183-page "Macworld iPad 2 Superguide" for only \\$12.95!](#)