Taking Your iPad to the Max, iOS 5 Edition

Michael Grothaus
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ISBN-13 (pbk): 978-1-4302-4068-6

ISBN-13 (electronic): 978-1-4302-4069-3

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Copy Editors: Kim Wimpsett
Compositor: MacPS, LLC
Indexer: BIM Indexing & Proofreading Services
Cover Designer: Anna Ishchenko

Distributed to the book trade worldwide by Springer Science+Business Media, LLC., 233 Spring Street, 6th Floor, New York, NY 10013. Phone 1-800-SPRINGER, fax (201) 348-4505, e-mail orders-ny@springer-sbm.com, or visit www.springeronline.com.

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Contents at a Glance

Contents iv
About the Authors xii
About the Technical Reviewer xiii
Chapter 1: Bringing Your iPad Home 1
Chapter 2: Putting Your Data and Media on Your iPad 23
Chapter 3: Exploring the iPad Hardware 57
Chapter 4: Interacting with Your iPad 77
Chapter 5: Connecting to the Internet 119
Chapter 6: Browsing the Internet with Safari 137
Chapter 7: Touching Your Music and Video 165
Chapter 8: Shopping for Apps, Books, Music, and More 203
Chapter 9: Reading Books and Newspapers with iBooks and Newsstand 227
Chapter 10: Leveraging Your Desk Set 261
Chapter 11: Setting Up and Using Mail 285
Chapter 12: Working with Maps 317
Chapter 13: Touching Your Digital Photos 349
Chapter 14: On the Go with iWork 395
Chapter 15: Using the iPad Cameras with Camera, Photo Booth, and FaceTime 429
Chapter 16: Other Great Ways to Use Your iPad 459
Index 487

Contents

Contents at a Glance iii
About the Authors xii
About the Technical Reviewer xiii

Chapter 1: Bringing Your iPad Home 1
Picking Your iPad 1
Wi-Fi or Wi-Fi + 3G? 1
GSM vs. CDMA 3
How Much Storage? 3
Should You Buy a Used iPad? 4
Considering System Requirements 5
Buying Your iPad 5
Purchasing Your iPad Online 6
Repairs, Returns, Warranties, AppleCare, and Insurance 7
Unboxing Your iPad 8
iPad Feature Overview 9
Preparing for Setup 10
Configuring Your iPad 13
Pairing Your iPad to Your Computer 16
Syncing the iPad to Your Computer 18
Accessorizing Your iPad 19
Summary 21

Chapter 2: Putting Your Data and Media on Your iPad 23
Working with iTunes 23
The iPad iTunes Settings Pane 25
A Word on Syncing Your Data 27
Where Do You Get Media From? 28
Remember to Apply Your Changes 29
The Tabs 30
The Summary Tab 30
The Info Tab 37
The Apps Tab 40
Synchronization Options 43

The Music Tab....44
The Movies Tab....45
The TV Shows Tab....46
The Podcasts Tab....47
The iTunes U Tab....48
The Books Tab....49
The Photos Tab....50
iTunes Device Settings....51
Restoring....54
Summary....55

Chapter 3: Exploring the iPad Hardware....57

The Bits and Pieces of an iPad....57
On/Off Sleep/Wake Button....57
Mute/Screen Rotation Lock....59
Volume Toggle....60
Speaker....61
Dock Connector Port....62
Home Button....62
Headphone Jack....63
Microphone....63
Micro-SIM Port (Wi-Fi + 3G iPad Only)....64
Care and Maintenance of Your iPad....65
Cases....65
Caring for the Screen....69
Apple Accessories for iPad....70
Smart Cover....70
iPad 2 Dock....71
iPad Camera Connection Kit....72
iPad 10W USB Power Adapter....73
Apple VGA Adapter....73
Apple Digital AV Adapter....74
Apple Composite and Component AV Cables....74
Apple Wireless Keyboard....74
Apple Earphones with Remote and Mic....75
Apple In-Ear Headphones with Remote and Mic....75
Summary....75

Chapter 4: Interacting with Your iPad....77

Interaction Basics....77
The iPad Language....78
Orientation....80
The Lock Screen....81
The Home Screen....84
Manipulating the Home Screen....87
Multitasking Gestures....95
Spotlight Search....95
iPad Settings....97
The Keyboard....100

More Keyboards 103
Getting Started 104
iPad Typing Tricks 105
Notification Center 109
Types of Notifications 111
Setting Up Notifications and the Notification Center 111
Accessibility 113
VoiceOver 114
Zoom 114
Large Text 115
White on Black 115
Speak Selection 115
Speak Auto-text 115
Mono Audio 115
Assistive Touch 115
Triple-Click Home 116
Summary 117

Chapter 5: Connecting to the Internet 119

Connecting with Wi-Fi 119
Authentication and Encryption 120
Setting Up Wi-Fi 120
Troubleshooting Wi-Fi Connection Issues 123
Special Wi-Fi Settings 127
Connecting with 3G 129
Setting Up 3G 130
Data Roaming 132
Changing Account Information or Adding Data 133
Airplane Mode 133
The Alternative to Built-in 3G 134
Summary 135

Chapter 6: Browsing the Internet with Safari 137

Getting Started with Safari 137
Safari's Browser Window 138
Navigation Basics 140
Entering URLs 140
Entering Text 143
Searching the Web 143
Searching for Text on a Web Page 144
Following Links 146
Changing Orientation 147
Scrolling, Zooming, and Other Viewing Skills 148
Tabbed Browsing 149
Working with Bookmarks 150
Selecting Bookmarks 151
Editing Bookmarks 152
Saving Bookmarks and Sharing Web Pages 154

Eliminating Clutter with Reader 157
Building Up Your Reading List 158
Safari Settings 160
The iPad and Flash Videos 162
Summary 162

Chapter 7: Touching Your Music and Video 165

Watching Video on the iPad 165
Video Playback 167
Videos App 169
Playing a Video 170
Deleting Videos 171
Video Settings 172
YouTube 173
Navigating and Finding YouTube Videos 174
Viewing YouTube Videos 176
YouTube Tips 179
Watching Videos on the Web with Safari 180
Video Accessories 181
Projecting Video 183
Listening to Music on the iPad 184
Navigating the Music Library and Playlists 185
Playing Audio from the Music Library and Playlists 187
Creating Playlists 193
Playing Podcasts, Audiobooks, and iTunes U Lessons 197
Displaying Music Playback Controls When in Another App 197
Music app Settings 198
Setting Up Home Sharing 200
Summary 201

Chapter 8: Shopping for Apps, Books, Music, and More 203

The App Store 204
Featured Apps 204
Downloading Updates and Previously Purchased Apps 212
The iTunes Store 214
Featured 215
Top Charts 219
Genius 219
The iBookstore 220
Featured 223
NYTimes 223
Top Charts 224
Purchased 224
Summary 225

Chapter 9: Reading Books and Newspapers with iBooks and Newsstand 227

The iBooks App 227
Syncing Books 228
The iBookstore 229

ePub Books 229
Navigating Your Bookshelf 229
Organizing Your Books into Collections 233
Creating New Collections 233
Navigating Between Your Collections 235
Reading Books 236
Turning Pages 238
Adjusting Brightness 240
Adjusting Font, Font Size, and Page Color 240
Searching Text 242
Bookmarking a Page 242
Interacting with Text 243
Accessing the Table of Contents, Bookmarks, and Notes 246
Sharing Notes 248
Having a Book Read to You 249
Syncing PDFs 250
Navigating the PDF Bookshelf 250
Navigating and Reading PDFs 251
Using the Contact Sheet 253
Settings 256
Newsstand 257
Summary 258

Chapter 10: Leveraging Your Desk Set 261

Notes 262
Adding and Deleting Notes 264
Syncing Notes 265
Calendar 267
Adding Calendar Events 270
Syncing Calendar 274
Contacts 275
Adding a Contact 276
Groups and Searching 277
Syncing Contacts 278
Setting Reminders 279
Summary 282

Chapter 11: Setting Up and Using Mail 285

Setting Up Mail Accounts 285
Syncing Mail Accounts 286
Setting Up Mail Accounts Directly on the iPad 287
Other Mail Settings 294
Viewing and Managing Your Incoming Mail 298
Launching and Viewing the Mail App 299
Browsing Your Mail 301
Viewing and Opening Attachments 302
Navigating Mail 306
Composing a New E-mail 308
Using Mail in Other Apps 311

Contacts 311
Notes 312
YouTube 312
iTunes 313
App Store 313
iBooks 313
iWork for iPad 313
Photos 314
Summary 315

Chapter 12: Working with Maps 317

Maps Screen 317
Navigating Maps 319
Gestures 319
Changing Map Views 320
Finding Locations 322
Current Location 330
Digital Compass 332
Bookmarking and Viewing Saved Locations 334
Dropping a Pin 334
Bookmarking 336
Directions and Traffic 338
Directions 338
Traffic 342
Maps in Other Apps 344
Flixster 344
The Weather Channel 344
Ndrive US HD 344
UpNext 3D Cities 345
Find a Lost iPad 345
Find a Friend 346
Summary 348

Chapter 13: Touching Your Digital Photos 349

Getting Photos onto Your iPad 349
Syncing Photos from Your Computer 350
Importing Photos from a Digital Camera or iPhone 350
Using a USB Thumb Drive to Transfer Photos to the iPad 354
Saving Photos from Mail and Safari 354
Photo Stream 355
Navigating Your Photos 356
Touching and Viewing Your Albums and Photos 362
Touching and Viewing Albums 362
Touching and Viewing Photos 365
Viewing Your Photos over AirPlay 367
Viewing Your Photos as a Slideshow 367
Sharing Your Photos 371
Deleting Your Photos 376
Managing Photo Albums 377

Picture Framing 379
Changing the Wallpaper Without Using the Photos App 382
Editing Your Photos 383
Viewing Videos 388
Editing Your Video 389
Sharing Your Video 391
Summary 393

Chapter 14: On the Go with iWork 395

Buy and Install iWork for iPad 395
Pages 396
Creating a New Document 397
The Pages Style Ruler 398
Renaming a Pages Document 401
The Pages Toolbar 402
Numbers 408
My Spreadsheets 408
Adding Elements to a Spreadsheet 410
The Info Button 414
The Tools Button 418
Keynote 418
My Presentations 418
Editing and Adding Slides 420
The Animation Button 422
The Play Button and Presenter Display 424
Importing Documents from a Computer 425
Using iCloud to Sync Your Documents Between Devices 427
Summary 427

Chapter 15: Using the iPad Cameras with Camera, Photo Booth, and FaceTime 429

The Camera Hardware 429
Front Camera 429
Rear Camera 430
Real-World Use 431
Navigating the Camera App 431
Taking Still Pictures 433
Recording Video 435
Viewing Your Camera Roll 436
Viewing Individual Photos 437
Viewing Videos 439
Having Fun with Photo Booth 441
Using FaceTime to Chat 445
Opening FaceTime 446
Signing In 446
Navigating Your FaceTime Contacts 449
Favorites 449
Recents 450
Contacts 451

Placing and Receiving a FaceTime Call 452
Other FaceTime Calling Options....454
FaceTime Settings 456
Summary 457
Chapter 16: Other Great Ways to Use Your iPad 459
The iPad as a Game Machine....459
The iPad as a News and Weather Center....463
News Apps....463
Weather Apps....466
The iPad as an Artist's Canvas....468
Brushes....468
Adobe Ideas 469
The iPad as a Phone 469
The iPad as a Kitchen Helper....470
Food Network In the Kitchen 471
BigOven....471
My Recipe Book 472
Serving Sizer Pro for iPad 473
Wine.com for iPad....473
The iPad as a Presentation Tool....474
Keynote....474
Sadun's Whiteboard....474
The Education Category in the App Store 475
iTunes University 476
The iPad as a Travel Computer....476
FlightTrack....477
Kayak HD for iPad 477
Urbanspoon HD for iPad....478
Built-in iPad VPN Support 479
Photography/Videography Apps....480
Remote Desktop Computing 482
Splashtop Remote....483
LogMeIn Ignition 484
NetTools....484
Summary 485
Index 487

About the Authors

Michael Grothaus is an American novelist and journalist living in London. He was first introduced to Apple computers in film school and went on to use them for years to create award-winning films. However, after discovering many of Hollywood's dirty little secrets while working for 20th Century Fox, he left and spent five years with Apple as a consultant. He's since moved to London and earned his MA in Creative Writing. His first novel, *Epiphany Jones*, is a story about trafficking and America's addiction to celebrity. Currently, Michael is a staff writer at AOL's popular tech news site The Unofficial Apple Weblog (TUAW.com), where he writes about all things Mac. Additionally, Michael has written several other books for Apress, including *Taking Your iPod touch to the Max, Taking Your OS X Lion to the Max,* and *Taking Your iPhoto '11 to the Max*. When not writing, Michael spends his time traveling Europe, Northern Africa, and Asia. You can reach him at `www.michaelgrothaus.com` and `www.twitter.com/michaelgrothaus`.

Erica Sadun is the bestselling author, coauthor, and contributor to several dozen books on programming, digital video and photography, and web design, including the widely popular *The iPhone Developer's Cookbook: Building Applications with the iPhone 3.0 SDK, Second Edition*. She currently blogs at `TUAW.com`, and has blogged in the past at O'Reilly's Mac DevCenter, Lifehacker, and Ars Technica. In addition to being the author of dozens of iOS-native applications, Erica holds a Ph.D. in Computer Science from Georgia Tech's Graphics,Visualization and Usability Center. A geek, a programmer, and an author, she's never met a gadget she didn't love. When not writing, she and her geek husband parent three geeks-in-training, who regard their parents with restrained bemusement, when they're not busy rewiring the house or plotting global dominance.

About the Technical Reviewer

Dave Caolo is an author and the Managing Editor at The Unofficial Apple Weblog, TUAW.com. Previous to his career as a writer, Dave spent 8 years as the IT Director at a Mac-friendly residential school in Massachusetts. Today, Dave can be found geeking out with his Macs and spending time with his kids, wife, and Boston Terrier, Batgirl. Learn more at http://davecaolo.com.

Chapter 1

Bringing Your iPad Home

Purchasing your first iPad should be a fun and exciting experience for you. Compared to buying a full-fledged desktop or laptop computer, there aren't as many options to complicate matters. The price tag on an iPad isn't as daunting as that for an Apple MacBook Pro, so the impact to your wallet won't be outrageous even if you don't happen to make the perfect choice. In this chapter, you'll discover what decisions you should make before either heading to your local Apple retailer or ordering an iPad online. You'll learn what you need in addition to an iPad, what you can do if you're not pleased with your purchase or get a faulty unit, and how to get your iPad ready for everyday use. Here are all the basic facts you need to select, buy, and set up your iPad.

Picking Your iPad

Especially at this early stage of the life cycle of the iPad, you have a relatively easy decision to make regarding which model of the device to purchase. There are never that many iPad models available at any particular time, since Apple does a good job of keeping its product lines small and up-to-date. The big questions you'll have to ask yourself are whether you need 3G wireless capabilities, whether your 3G iPad should run on a GSM or CDMA network, how much storage you want in your iPad, and whether or not to purchase a used iPad. Let's look into these four questions in more detail.

Wi-Fi or Wi-Fi + 3G?

The iPad is an Internet-connected device. Sure, it can work as an electronic book reader or a gaming device without an Internet connection, but an iPad without Internet is like a Porsche with a flat tire. Apple gives you two choices: Wi-Fi (wireless network connectivity) models and Wi-Fi + 3G (wireless network plus 3G mobile data connectivity) models. If you ever want an Internet connection away from a Wi-Fi hotspot, you'll need to buy the Wi-Fi + 3G version of the iPad, because you cannot add the functionality to an iPad later.

The Wi-Fi + 3G models are slightly more expensive than the models with Wi-Fi only, to the tune of US$130 more than their Wi-Fi counterparts. What you're paying for is built-in

3G circuitry, a Global Positioning System (GPS) receiver, and an antenna, which is a fancy way of saying that your iPad (with an optional subscription to a data plan with your local wireless carrier) can surf the Web, send and receive e-mail, and connect to the iBookstore from any location with 3G wireless service. Do you need 3G capabilities? Here are some questions you need to ask yourself:

Will you be using your iPad in places where there are no Wi-Fi hotspots? If you plan on using your iPad around your Wi-Fi equipped home and office and if most of the locations that you visit (stores, libraries, coffee shops, airports, and hotels) provide free Wi-Fi, then you might not need the Wi-Fi + 3G model. However, if you often find yourself in need of an Internet connection when you're in your car, on a soccer field, or at some other location without Wi-Fi, then the Wi-Fi + 3G iPad may be the correct choice for you.

Do you have another way to connect to a 3G network? You may already have a different method of accessing a wide-area wireless network. If you have a 3G router such as the Sierra Wireless Overdrive 3G/4G or Novatel MiFi for use with a laptop, then you can use it and your existing wireless data plan to connect to the Internet. If you have an iPhone 4 running iOS 4.3 or newer, you might want to consider using the Personal Hotspot feature on the phone as your gateway to the Internet (a separate data plan is required).

Are you willing to pay extra for both your iPad and the 3G data plan? To begin with, a Wi-Fi + 3G iPad costs $130 more than the corresponding model without 3G. That's not the only additional cost you'll incur, since your wireless carrier is going to charge you for a data plan. In the United States, AT&T provides 3G data service without a contract for $14.99 per month for 250MB of data, or $25 monthly for 2GB of data. The other U.S. carrier, Verizon Wireless, has rates beginning at 1GB of data for $20 per month and up to 10GB for $80 per month. International carriers offer similar plans, so check with your carrier for details about the cost and capacity of data plans in your country.

Do you need to use apps that are aware of the location of the iPad? The Wi-Fi iPad has the ability to determine its location through something called the Wi-Fi Positioning System. This service, provided in North America by Skyhook Wireless, uses the known location of Wi-Fi access points to approximate the location of an iPad. Although this can provide location data to within 20 to 30 meters in crowded population centers in the United States and Canada, it doesn't work at all when the iPad is away from Wi-Fi. The Wi-Fi + 3G iPad contains a full Assisted GPS (A-GPS) receiver for pinpointing the location of the device using GPS. As a result, accurate location can be determined almost anywhere on the planet provided that the Wi-Fi + 3G iPad can "see" the sky.

GSM vs. CDMA

If you decide to purchase the Wi-Fi + 3G iPad, you'll also have to decide what mobile wireless network to run on. In the United States, there are two choices: GSM, the standard used by AT&T Wireless, and CDMA, which is the technology behind Verizon's mobile network. The majority of wireless networks throughout the world use GSM, so frequent international travelers may want to consider that fact when making a purchase decision.

For all practical purposes, the speeds and capabilities of the two 3G networks are similar. The main differentiator for most U.S. iPad buyers is the coverage provided by the two carriers in the area where you live and work. Verizon Wireless customers who are happy with the voice signal quality that they currently get with their mobile phones can stay with their existing carrier for iPad data. Likewise, AT&T Wireless customers with five bars of signal strength and good service may want to stay with their current carrier.

How Much Storage?

Once you've decided whether to purchase the Wi-Fi or Wi-Fi + 3G iPad, your next thought should be about the quantity of built-in storage you want in your iPad. Although the amount of working memory, or RAM, in the iPad is identical across the different models (256MB for the original iPad, 512MB for the iPad 2), the flash drives used for storing applications and data come in three different sizes: 16GB, 32GB, and 64GB. You cannot upgrade the flash drive in the iPad, so you're stuck with whatever you buy. Like any electronic device, the iPad will evolve over time, so larger storage capacities are likely in the future. Also keep in mind that the pre-installed OS and apps on the iPad take up some space already (up to half a GB), so you'll actually have a little less free space on the iPad than stated by Apple.

At the launch of the iPad, the difference between the 16GB and 32GB models was only $100, while maxing out the iPad's storage at 64GB was only $200 more than buying the base model. Before deciding how much storage you want to buy, consider these questions:

> *How big is your music library?* If your library is small and you want to listen to music on your iPad, no problem. If it's large, the extra space on the larger iPad models helps you store additional music and podcasts. Of course, if you already own a music device such as an iPod, you may want to continue using it for listening. iPods come in a variety of capacities and are much more portable than your iPad.

How many videos do you want to carry around? A single two-hour movie may occupy more than a gigabyte of storage. If you travel a lot, especially on airplanes, you may want to pay more to store additional movies and TV shows with those extra gigabytes. In Chapter 7 of this book, we'll talk about using Handbrake to transfer video from DVDs to a format that your iPad can use. Although Handbrake does a great job of compressing video, movies can still be as large as 500MB to 1GB in size. If you also own a second-generation Apple TV, you might consider using Apple's AirPlay and Home Sharing to stream video to your iPad, reducing the need for more storage.

Do you plan to carry lots of pictures? Although many digital pictures are pretty small (a typical photo is 300KB to 1.2MB in size), if you carry a few thousand of them around, they do add up to some serious storage. Do you laugh at the idea of carrying that many pictures around on your iPad? Apple's built-in support for the Mac iPhoto application makes it simple to put years of photo archives onto your iPad with a single synchronization option. Moving photos directly from a digital camera to your iPad is easy using the iPad Camera Connection Kit, so the idea of backing up a trip's worth of memories on your iPad while on vacation isn't entirely out of the question.

Do you need to carry lots of data? You might not think of your iPad as a data storage device, but there are ways to use it (mostly involving e-mailing documents to yourself or using a third-party application) to bring data along with you on the road. If you think you might need to do this, maybe those extra gigabytes could be put to good use.

How long do you plan to use this iPad? If you're an early adopter who plans to trade up at the earliest possible opportunity whenever Apple offers a new unit, you may want to save your pennies now in the hope that a better unit with more memory quickly debuts. If, instead, you want to get the most use out of the iPad for the longest period of time, paying more up front means you won't outgrow the memory quite as fast.

Should You Buy a Used iPad?

Now that the iPad has been on the market for a while, some owners are moving up to newer or more capable iPads, and used devices are often available for less money than new ones. If you don't need the latest and greatest iPad, a used one can be your gateway into the iPad world without impacting your wallet as much.

Believe it or not, Apple is the best vendor for used iPads. The company often makes refurbished iPads available for sale at less than the suggested retail price of new equipment, and the iPad will come with the original factory warranty. You can find the refurbished equipment in the Apple Online Store at `http://store.apple.com` or on Amazon.com.

eBay is often a good place to purchase used computer equipment, because sellers are given ratings by buyers so that it's possible to see at a glance how others have fared in their transactions with a particular seller. As with any online auction, however, the buyer should beware. Make sure that the seller has pictures of the exact unit you are bidding on, has a return policy, and has a flawless approval rating.

If you're buying an iPad from someone locally, you might want to consider having an Apple Authorized Service Provider (`www.apple.com/buy/locator/service/`) check the unit over before you make a commitment. While it's easy for you to make a visual inspection of the screen and case for scratches or dents, it's not so easy to see if there is hidden damage caused by water or if there are connectors that have been broken.

Finally, you might be able to afford a new iPad when the next generation is announced (usually in March or April). Retailers need to make room for the incoming iPads and discount their existing stock. Your patience can be rewarded!

Considering System Requirements

Even though you no longer need a computer to set up your iPad, you'll still most likely find yourself using your iPad in conjunction with your Mac or PC. This means your computer will need to have some basic requirements in order for it to talk to your iPad. It will need a USB 2.0 port and an Internet connection running the most recent version of iTunes. Also, the PC needs to be a Mac running OS X 10.5.8 or newer or a Windows computer running Windows XP (Home or Professional with Service Pack 3 or newer), Windows Vista, or Windows 7.

> **NOTE:** If you haven't yet put iTunes on your computer, you can get a free copy from `www.apple.com/itunes`. It's available for both Mac OS X and Windows systems and is quick and easy to install.

Buying Your iPad

After deciding among the available iPad models, you're probably ready to pull out your credit card and go buy that iPad (see Figure 1–1). Where should you go? To an Apple Store? To an authorized Apple retailer or Best Buy store? Or should you buy online? You might be surprised to learn that there are better and worse choices.

We recommend buying your iPad in person at a store. You can ask questions. You can make human connections. If something goes wrong with your purchase, you have a person who's there to help you work through it. This is not to say that calling Apple's support line is insufficient; it's just that being face to face with a real person makes solutions happen more readily.

The sad fact of the matter is that, on occasion, iPad purchases do not go smoothly. Some people end up with a screen flaw, such as dead screen pixels. It's not an

uncommon problem, and if found soon after purchase, it may involve a trade-in for a new unit. Others may have problems connecting to Wi-Fi or 3G networks. The chances of resolving these issues increase significantly when you have a real person to talk to.

As for the question of Apple or other retailers, we lean slightly toward buying at an Apple Store. It's an Apple product you're buying, and the Apple staff members are simply more knowledgeable about that product.

Figure 1–1. *That nice shiny box contains the Apple of your eye, your iPad. Remember to keep all your packaging, receipts, and other purchase information just in case you need to return it to the store.*

Purchasing Your iPad Online

Depending where you live, there might not be a physical store nearby for picking up an iPad. In that case, the Apple Online Store is your best bet for getting your hands on an iPad as soon as possible.

> **NOTE:** There are two quick ways to buy your iPad online. First click the iPad tab at the top of the Apple web site (`www.apple.com`), and then click the blue Buy Now button. The second way? Point your browser to the iPad page (`http://store.apple.com/us/browse/home/shop_ipad/family/ipad`) in the Apple Online Store. Be sure to have your credit card ready.

Apple makes it easy for you to purchase your iPad online. The individual models all have their own Select button, and a click brings you to a page that lets you choose which Apple accessories you want to add to your purchase. Adding those accessories to your purchase just requires a click of the radio button near each item, and when you are finally ready to check out, clicking the Add to Cart button displays the contents of your virtual shopping cart as well as a Check Out Now button. An estimate of the shipping date is displayed in your shopping cart next to each item so you know when to start waiting for the delivery truck driver to ring your doorbell.

Repairs, Returns, Warranties, AppleCare, and Insurance

In most situations, the iPad you buy will be in perfect working order, and you should never need to return it to Apple. However, if you do get an iPad that just isn't working properly or that fails during the first year of ownership, there is a tried-and-true process to follow.

First, visit the iPad Support web page (`www.apple.com/support/ipad/`) to see whether you have set up something improperly or whether there is a known issue and solution. If the online support does not resolve the problem, then it is time to either take the iPad to your Apple retailer or send the iPad to Apple.

For iPads that have been purchased at an Apple Store, the easiest thing to do is to grab your receipt, the iPad, the original box, and all the contents of that box, and then head to the store. The Apple Store staff may ask you to work with a person at the Genius Bar in an attempt to resolve the problem, in which case there may be a delay until they can fit you into their busy schedule.

At other Apple authorized retailers, the return policy may be different, so be sure to check that policy when you purchase your iPad.

iPads purchased online from Apple require a Return Material Authorization (RMA). To initiate the return process, call Apple's support phone number at 1–800-275-2273 and speak to an iPad support specialist. If that person determines the iPad is faulty and is eligible for repair or replacement, they will issue an RMA to you.

> **NOTE:** Outside of the United States, you can refer to `www.apple.com/support/contact/phone_contacts.html` for a list of international phone numbers for Apple Support.

In the first paragraph of this section, we called attention to "the first year of ownership." That's the complimentary warranty period for any iPad. If you want to extend that warranty for another year, you can purchase an AppleCare Protection Plan for iPad for $99. This extends your hardware repair coverage to two years. If interested, you can purchase this option at the online Apple Store. Once the warranty expires, you'll have to pay the going rate for repairs or battery replacements.

American Express cardholders can double their iPad warranty simply by purchasing the device with their Amex card. This Extended Warranty program may be provided by other credit card companies, so be sure to check your card terms and conditions for details.

If you can, make sure to back up your iPad by syncing it to iTunes before bringing it in for service. Apple will usually restore your iPad to factory condition, which means you'll lose any data stored on the iPad during the repair and service process.

Is AppleCare worth buying? In our opinion, it is. In one case, AppleCare more than paid for the replacement of a logic board with a faulty FireWire port on an Apple PowerBook G4 almost three years into the plan.

You're entitled to complimentary phone support for 90 days after the purchase of your iPad. AppleCare extends that period to a full two years, and you can call Apple's experts as many times as you want to get your questions answered.

What about a situation where you find that an iPad isn't what you really needed, or what if you decide that you want the 64GB model instead of the 32GB iPad that you bought? Apple realizes that people change their minds or may be dissatisfied for one reason or another, so you have 14 calendar days to return your purchase. You must return the iPad in the original, unmarked packaging including any accessories (such as the power adapter), manuals, documentation, and registration that shipped with the product. There is a cost for this flexibility, because Apple assesses a 10 percent restocking fee on the return.

Apple does not offer an insurance plan for the iPad, and it's unlikely that the company will do so in the future. Instead, you'll need to call your renter's or home insurance carrier to see how much you'll have to pay for an iPad rider (a rider is placed on top of an existing policy, adding coverage for a specific item not covered under the standard plan).

Unboxing Your iPad

Once you arrive home with your iPad or it is delivered to your door, it's time to unpack it and set it up. iPad packaging (see Figure 1–2) is a small work of art. The iPad ships in a box that contains the device, a Dock Connector to USB Cable, a 10-watt USB power adapter, and a packet of documentation. Each of these items is important and will help you in your day-to-day use.

Cable: The USB cable attaches your iPad to either your computer or the AC adapter. Whether you're charging your iPad for another day of use or you are syncing with your computer to get the latest software update, the Dock Connector to USB Cable is a crucial part of your iPad kit.

USB power adapter: The AC power adapter included with your iPad plugs directly into the wall and allows you to charge your iPad (or any USB device, for that matter). It offers a single USB port. To use it, just connect your iPad to the adapter using the USB cable. It supplies the 5 volts required for powering USB devices.

Figure 1–2. *There's not much inside the iPad box: the iPad, a Dock Connector to USB Cable, a 10-watt AC adapter, and some simple documentation.*

iPad Feature Overview

Once you've unpacked your iPad, take a few minutes to discover more about your new purchase. Figure 1–3 introduces the basic features on your iPad.

The top of the iPad houses a jack into which you can plug your earbuds, a built-in microphone (on the top front of the iPad 2), and a Sleep/Wake button that is used to power on and off certain features. If you purchased a Wi-Fi + 3G model, the top (or left side on the iPad 2) will also house a micro–Subscriber Identity Module (SIM) tray where your phone's micro-SIM card is stored. The bottom of your iPad has a built-in speaker and an indented slot for connecting to the Dock Connector to USB Cable or a dock. The iPad's front has a large touchscreen and a single Home button. You will not see this interactive screen until you have set up your iPad through iTunes.

Newer iPads also feature two cameras: one in the front for playing with Photo Booth or making FaceTime video calls (see Chapter 15) and one in the back that can record high-definition video and take still photos.

On the right side of the iPad (as you look at it from the front), you'll find a volume rocker and an orientation lock slider.

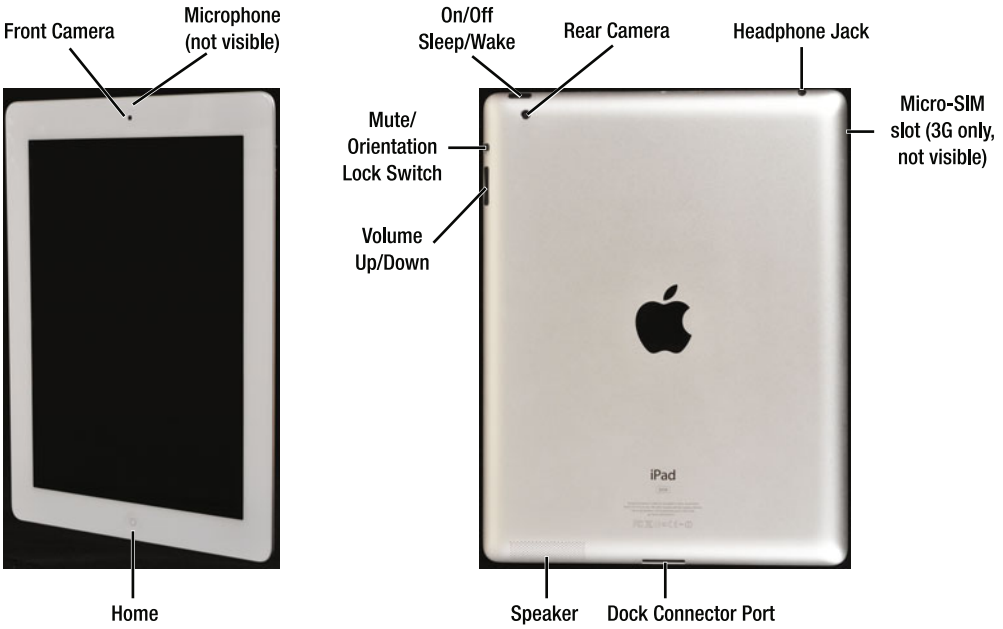

Figure 1–3. *Feature breakdown displaying the buttons and ports on the iPad 2. The dock connector port is on the bottom of the iPad near the Home button.*

Preparing for Setup

You have unpacked your iPad but haven't yet connected it to iTunes. Now is a good time to review the data on your computer. When your iPad is first set up, it will synchronize itself to iTunes and, depending on your computer, to your e-mail accounts, your calendars, and so forth. Before you go forward, here are some items you may want to review and clean up so your iPad starts out its life with the freshest possible data:

Contacts: The iPad can sync with Outlook 2003 or 2007 and Windows Address Book on Windows, Address Book, Outlook, or Entourage on a Mac, and Yahoo! Address Book or Google Contacts on the Internet. To prepare for your first sync, review your existing contacts, and make sure they're up-to-date with current phone numbers and e-mail addresses. If you use another program to manage contacts, consider migrating your contacts to one of these solutions. If you'd rather not, that's OK too. You can add contact information directly to your iPad, although it's not as convenient as having the information automatically loaded for you.

Calendar: Your iPad can synchronize with computer-based calendars just like it does with contacts. The iPad supports iCal, Outlook, and Entourage calendars on the Mac and Outlook calendars on Windows. Get your calendars into shape before your first synchronization, and you'll be ready to immediately manage your schedule both from your computer and from your iPad.

E-mail: Your iPad works with most e-mail providers, including Yahoo! Mail, Google Gmail, and AOL. If your e-mail provider uses the industry-standard POP3, IMAP, or Exchange services, your service will work with iPad. You may want to establish new accounts with these providers before you set up your iPad. That way, they'll load onto your unit the first time you synchronize. You can always add new e-mail accounts later, but it's nice to have them all set up and available for use right away.

Media: Some iPad models offer relatively small storage space when compared to, for example, iPod Classic's generous 160GB hard drive. To make the most of this limited space, set up playlists for your favorite songs, TV shows, movies, and podcasts. Since, in all likelihood, you won't be able to synchronize your entire library to your new iPad, invest time now in weeding through your media to find those items you most want to have on hand.

Software and OS: Update to iTunes 10.5 or newer before you attempt to set up your iPad. If you're using a Mac, make sure you've updated your OS to at least OS X 10.5.8. Windows computers must be running Windows 7, Windows Vista, or Windows XP Home or Professional with Service Pack 3 or newer. You can download the latest version of iTunes from Apple at `www.itunes.com/download`.

iTunes account: Apple requires a current iTunes account in order to set up your iPad. If you do not already have one, you must sign up for an account with the iTunes Store. If you want to make purchases through the iTunes Store, App Store, or iBookstore, you'll need to have a valid address and credit card. Here are the steps you'll need to follow in order to create that new iTunes account:

1. Launch the iTunes application on your computer, and wait for it to load.
2. Locate iTunes Store in the column on the left side of the window. Click iTunes Store, and wait for the store window to load. You must be connected to the Internet for this to happen, because all the storefront information is stored at Apple.
3. Click the Sign In link at the top-right corner of the screen. iTunes opens the sign-in screen shown in Figure 1–4, which will allow you either to sign in with an existing account or to create a new one.

Figure 1–4. *The iTunes sign-in screen allows you to sign in to iTunes with your existing account or begin the process of creating a new account.*

4. Click Create New Account. The screen clears, and a message welcoming you to the iTunes Store displays. Click the Continue button.
5. Review the terms of service, check the box marked "I have read and agree to these terms and conditions," and click Continue. A new window appears prompting you to create your account.
6. Enter your e-mail address and a password (you must enter the password twice for verification). Also enter a question and answer that will help verify your identity, as well as the month and day of your birth. Review the other options on the page, and adjust them as desired before clicking Continue. Again, the screen will clear, and you'll move on to the final account creation step.
7. Enter a valid credit card and the billing information for that credit card. These must match to finish creating your account. When you have entered the information, click Continue.

After following these steps, you will receive a confirmation e-mail at the address you specified while signing up. The e-mail welcomes you to the iTunes Store and provides you with the customer service web address (`www.apple.com/support/itunes/store`).

You don't need a credit card to get an iTunes App Store account. If you're planning on only downloading free apps and don't have a credit card, there's a way to create an iTunes App Store account from your iPad. The following instructions assume that you don't already have an account and that you've already unwrapped your iPad. Don't worry; you can always come back to these instructions later if you'd like to wait.

1. Launch the App Store app on your iPad by tapping its icon.
2. Look for a free app. It can be anything, but just make sure that the price is listed as Free. Tap the Free button to start the "purchase" process; then tap Install App.

3. A dialog appears asking you to sign into the iTunes App Store by using an existing Apple ID or by creating a new Apple ID. Tap the Create New Apple ID button.
4. You'll be asked to choose a country or region for the store that matches the billing address for your payment method. Select one from the list that appears when you tap the country name next to the word *Store*; then tap the Next button.
5. Agree to the iTunes Store Terms & Conditions.
6. Now you're asked to enter new account information, including your e-mail address, a password, a secret question and answer, and your date of birth. When you've entered that info, tap Next.
7. On the Billing Information screen, tap the name next to the word *Credit Card*, and select None as your billing method. Enter a valid name and billing address, and then tap Next.
8. At this point, an Email Verification screen should appear. Tap Finish, and then open Mail on your iPad (that's assuming it's already set up; if not, you can do this part on another computer).
9. Open the e-mail from Apple, and tap the Verify Now link. You're asked to sign in to complete the account creation.
10. Tap the Use Existing Account button, enter the username (e-mail address) and password that you just created, and then tap OK.
11. You'll see a message telling you that your iTunes Store account has been successfully created. Tap the Done button, and then you can start downloading any free apps, books, music, or videos from iTunes, the App Store, or the iBookstore. Read more about these stores in Chapter 8.

Configuring Your iPad

With iOS 5, Apple has cut the cord from your iPad to your computer. This new "PC free" world of iOS devices is a new era in computing technology. Oh, you still have to plug the iPad into your computer or charger to recharge the battery all right, but now you no longer need to plug the iPad into your computer to begin using it. You can buy it in the store, open it up right there, and go through a simple setup procedure right on the iPad.

Follow the steps in this section to set up your iPad right out of the box:

1. Take your iPad out of its packaging.

2. Press the power button on top of the iPad to turn it on. You'll see the screen in Figure 1–5. If your iPad does not automatically power on and display this screen, press and hold the Sleep/Wake button. With the main screen facing toward you, you can find this button at the top left of the iPad. After a few seconds, the iPad should wake up and display the white Apple logo as it powers on. If the iPad does not respond and does not display either the white Apple logo or the Connect to iTunes screen, contact the store where you purchased the iPad.

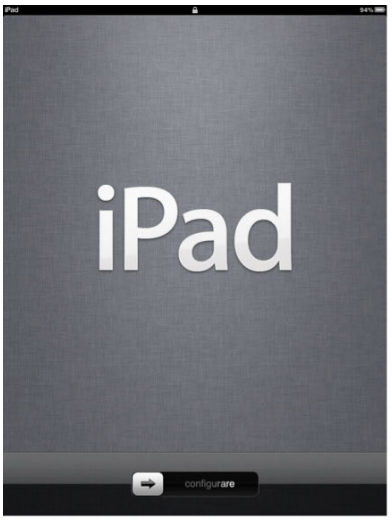

Figure 1–5. *The iPad setup welcome screen*

3. Slide the configure slider to begin setting up your iPad.
4. Select your language on the next screen.
5. On the screen that appears with the panning globe, select your country or region.
6. On the next screen you'll get a choice to enable or disable Location Services. Location Services allows the iPad and its apps to estimate your current location. After you have chosen to enable or disable Location Services, tap the Next button.
7. The Wi-Fi Networks screen appears next. Select your wireless network, enter your Wi-Fi password, and tap the Join button. This will allow you iPad to join your Wi-Fi network and make use of its Internet connection for a number of things, such as connecting to iCloud or using the Maps app.
8. On the next screen you can choose to set up your iPad as a new device or restore it from an iCloud or iTunes backup. If you've never owned an iPad before, select Set Up as New iPad. If you are restoring from a previous iPad, select the iCloud or iTunes backup option (see Figure 1–6).

Figure 1–6. *The iPad restore option screen*

9. On the next screen, enter your Apple ID. You have an Apple ID if you've ever bought anything from the iTunes Store. If you don't have an Apple ID, tap the Create a Free Apple ID button. Alternately, you can skip this step. When finished entering your Apple ID, tap the Next button. You'll have to agree to Apple's Term and Conditions. Read them if you want; then tap Next again.

10. Once you've entered your Apple ID, you are taken to the Set Up iCloud screen. We'll talk all about iCloud in Chapter 2. For now, just choose whether you want to use iCloud or not; then tap Next.

11. If you've chosen to use iCloud, the backup screen appears next. Select whether you want to back up your iPad to iCloud or to your computer; then tap Next.

12. As part of iCloud, Apple lets users track their iOS devices and Macs using a feature called Find My iPad. Select whether you want to allow you iPad to be found using your iCloud account. This free service is part of your iCloud account and allows you to track down your iPad should it become lost or stolen. We'll talk more about Find My iPad in Chapter 12. Click Next after you've made your selection.

13. On the next screen, choose whether you want to send anonymous diagnostics to Apple to help the company improve the iOS and iPad experience. Tap the Next button after making your selection.

14. After you've successfully navigated all those setup screens, you'll see the one pictured in Figure 1–7. Congratulations! You've set up your iPad. Simply tap the Start using iPad button to begin playing with your new favorite toy!

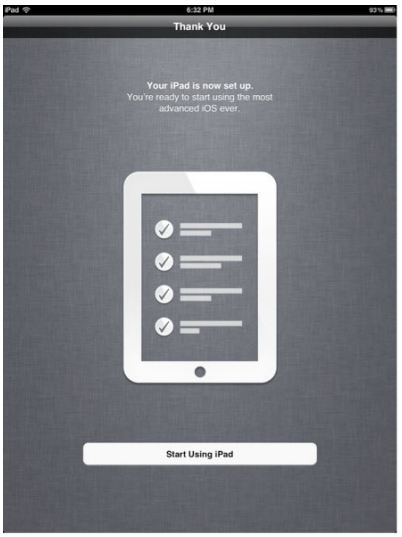

Figure 1–7. *Completing the iPad setup process*

Once you've set up your iPad, you can begin using it right away if you have most of your media stored in the cloud through iCloud. However, if you are still storing most of your media on your computer, you'll need to pair your iPad with your computer in order to get your music, movies, and TV shows on it.

Pairing Your iPad to Your Computer

As we mentioned earlier, a big feature of iOS 5 is that it's "PC free." That means it has the ability for your iPad to sync wirelessly with your computer. But before you can sync wirelessly, you must pair your iPad to your computer. This must be done through the USB cable that came with your iPad. You need to do this only once.

To pair your iPad to your computer, follow these steps:

1. Locate the two ends of the USB cable that was included with your iPad. One is thin and marked with a standard three-pronged USB symbol. The other is wide and marked with a rectangle with a line in it.
2. Orient your iPad. On the back of your iPad, the Apple logo and the word *iPad* show you which way is up. The dock connector is at the bottom of your iPad.
3. Connect the wide end of the USB cable to the bottom of your iPad. Be gentle but firm, without twisting or forcing the connection. Connect the thin end to a spare USB 2.0 port on your computer (for a direct-connected sync) or a USB power adapter (for a Wi-Fi sync).
4. iTunes launches, and your iPad chimes softly.

5. Since this is the first time you are pairing your iPad with your computer, the iPad Setup Assistant appears in iTunes (Figure 1–8). This screen allows you to name your iPad and choose what items to automatically sync to it. If you want to name your iPad something other than "your name's iPad," enter a new name into the "The name of my iPad is" field. Do not press Enter or Return, and do not click the Done button. We recommend you uncheck both boxes: "Automatically sync songs to my iPad" and "Automatically sync photos to my iPad." It's far easier to manage these choices manually.
6. Click the Done button. iTunes closes the Setup Assistant.

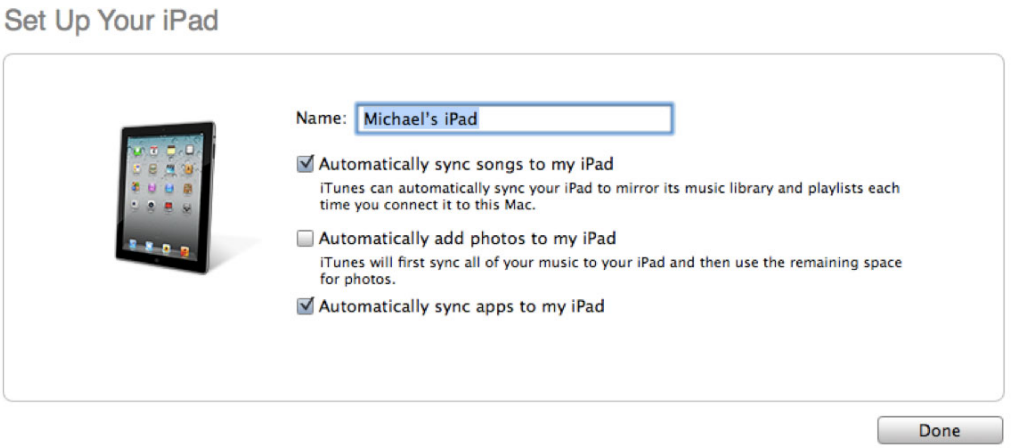

Figure 1–8. *The iPad Setup Assistant lets you name your iPad and decide which items to automatically synchronize to it.*

Once you've paired your new iPad, you're ready to perform your first synchronization. In the iTunes source list, which is the light blue column on the left side of the iTunes screen, locate the Devices section, and click the name of your iPad. This opens its Preferences window (see Figure 1–9). The tabs along the top of the Preferences window allow you to set each of the options associated with your iPad. We go into what each of these tabs does in detail in Chapter 2.

> **TIP:** Click your iPad's name a second time to open a text edit field that allows you to edit the name. You can name your iPad more creatively than the default (your name and "iPad").