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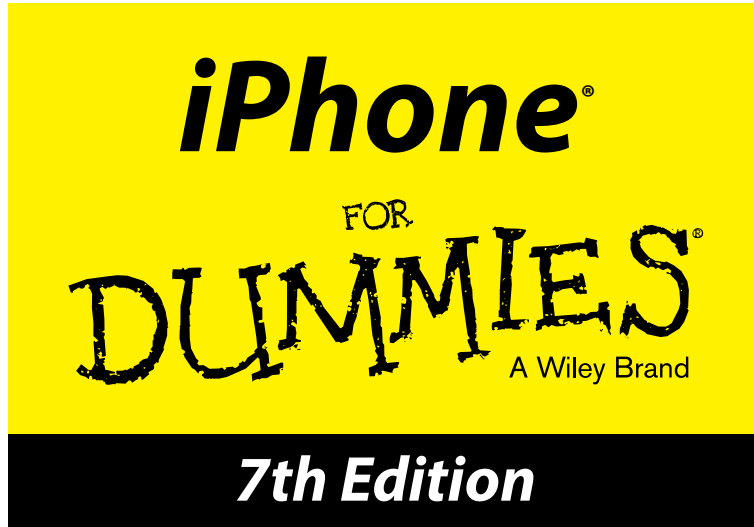


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and

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**iPhone® For Dummies®, 7th Edition**

Published by: **John Wiley & Sons, Inc.**, 111 River Street, Hoboken, NJ 07030-5774, [www.wiley.com](http://www.wiley.com)

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Published simultaneously in Canada

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Library of Congress Control Number: 2013949060

ISBN 978-1-118-69083-3 (pbk); ISBN 978-1-118-69088-8 (ebk); ISBN 978-1-118-69084-0 (ebk)

Manufactured in the United States of America

10 9 8 7 6 5 4 3 2 1

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# Introduction

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**P**recious few products ever come close to generating the kind of buzz seen with the iPhone. Its messianic arrival receives front-page treatment in newspapers and top billing on network and cable TV shows. People line up days in advance just to ensure landing one of the first units. Years from now, people will still insist, “I was there on day one.”

But we trust you didn’t pick up this book to read yet another account about how this year’s iPhone launch was an epochal event. We trust you *did* buy the book to find out how to get the very most out of your remarkable device. Our goal is to deliver that information in an informed but light and breezy fashion. We expect you to have fun using your iPhone, and we hope you have fun spending time with us.

## About This Book

Let’s get one thing out of the way right from the get-go. We think you’re pretty darn smart for buying a *For Dummies* book. That says to us that you have the confidence and intelligence to know what you don’t know. The *For Dummies* franchise is built around the core notion that all of us feel insecure about certain topics when tackling them for the first time, especially when those topics have to do with technology.

As with most Apple products, every iPhone to date is beautifully designed and intuitive to use. And though our editors may not want us to reveal this dirty little secret (especially on the first page, for goodness’ sake), the truth is you’ll get pretty far just by exploring the iPhone’s many functions and features on your own, without the help of this (or any other) book.

Okay, now that we spilled the beans, we’ll tell you why you *shouldn’t* run back to the bookstore and request a refund: This book is chock-full of useful tips, advice, and other nuggets that will make your iPhone experience all the more pleasurable. So keep this book nearby and consult it often.

But before you do that, let us tell you a bit about how we go about our business. *iPhone For Dummies*, 7th Edition, makes generous use of numbered steps, bullet lists, and pictures. Web addresses look like this: [www.boblevitus.com](http://www.boblevitus.com). For those reading the e-book version, links are live so you can click them.

We also include a few sidebars with information that is not required reading (not that any of this book is) but that we hope will provide a richer understanding of certain subjects. Overall, we aim to keep technical jargon to a minimum, under the guiding principle that with rare exceptions you need not know what any of it really means.

## Foolish Assumptions

Although we know what happens when you make assumptions, we've made a few anyway. First, we assume that you, gentle reader, know nothing about using an iPhone or iOS — beyond knowing what an iPhone is, that you want to use iOS, that you want to understand your iPhone and its operating system without digesting an incomprehensible technical manual, and that you made the right choice by selecting this particular book.

And so, we do our best to explain each new concept in full and loving detail. Perhaps that's foolish, but . . . oh, well.

One last thing: We also assume that you can read. If you can't, please ignore this paragraph.

## Icons Used in This Book

Little round pictures (icons) appear in the left margin throughout this book. Consider these icons miniature road signs, telling you something extra about the topic at hand or hammering a point home.

Here's what the five icons used in this book look like and mean.



This text contains the juicy morsels, shortcuts, and recommendations that might make the task at hand faster or easier.



This icon emphasizes the stuff we think you ought to retain. You may even jot down a note to yourself in the iPhone's Reminders app.



Put on your propeller beanie hat and pocket protector; this text includes truly geeky stuff. You can safely ignore this material, but we wouldn't have bothered to write it if it weren't interesting or informative.



You wouldn't intentionally run a stop sign, would you? In the same fashion, ignoring warnings may be hazardous to your iPhone and (by extension) your wallet. There, you now know how these warning icons work, for you have just received your very first warning!



Denotes a feature that's new in iOS 7, new in iTunes 11, or new in the latest and greatest iPhones, the iPhone 5c and 5s. What do we mean by *new*? Mostly that it wasn't available last year and wasn't covered in previous editions of this book.

## Beyond the Book

We wrote a bunch of things that just didn't fit in the print version of this book. Rather than leave them on the cutting room floor, we've posted the most useful bits online for your enjoyment and edification.

Here's where you'll find them:

✔ **Online articles covering additional topics are at**

[www.dummies.com/extras/iphone](http://www.dummies.com/extras/iphone)

You'll find a fairly complete list of phrases Siri understands; an essay on cameras, megapixels, and image quality; making sense of the alphabet soup of cellular data networks (EDGE, 4G, LTE, HSDPA, GSM, CDMA, and more); why your computer offers a shopping mall for content while your iPhone doesn't; and much more.

✔ **The Cheat Sheet for this book is at**

[www.dummies.com/cheatsheet/iphone](http://www.dummies.com/cheatsheet/iphone)

Here you'll find tips for mastering multitouch; a list of things you can do during a phone call; managing contacts; and where to find additional help if your iPhone is acting contrary.

✔ **Updates to this book, if we have any, are at**

[www.dummies.com/go/iphonedupdates](http://www.dummies.com/go/iphonedupdates)

## Where to Go From Here

Where to turn to next? Why straight to Chapter 1, of course (without passing Go).

In all seriousness, we wrote this book for you, so please let us know what you think. If we screwed up, confused you, left something out, or — heaven forbid — made you angry, drop us a note. And if we hit you with one pun too many, it helps to know that as well.

Because writers are people too (believe it or not), we also encourage positive feedback if you think it's warranted. So kindly send e-mail to Ed at [baigdummies@gmail.com](mailto:baigdummies@gmail.com) and to Bob at [iPhoneLeVitus@boblevitus.com](mailto:iPhoneLeVitus@boblevitus.com). We'll do our best to respond to reasonably polite e-mail in a timely fashion.

Most of all, we want to thank you for buying our book. Please enjoy it along with your new iPhone.

**Note:** At the time we wrote this book, all the information it contained was accurate for the iPhone 4, 4s, 5, 5c, and 5s, as well as the latest versions of iTunes and iOS 7, the iPhone operating system. Apple will probably introduce a new iPhone model or versions of the operating system and iTunes between book editions. If you've bought a new iPhone or your version of iTunes looks a little different, be sure to check out what Apple has to say at [www.apple.com/iphone](http://www.apple.com/iphone). You'll no doubt find updates on the company's latest releases.

## Part I

# Getting Started with the iPhone



Visit [www.dummies.com](http://www.dummies.com) for great *For Dummies* content online.

## *In this part . . .*

- ✔ Get a big-picture overview of the iPhone and a quick tour of its hardware and software so you'll know where things are when you need them.
- ✔ Find out how to activate the phone, turn it on and off, and unlock and lock it. Then discover some tips and tricks for mastering the iPhone's multitouch interface so you can use it effectively and efficiently.
- ✔ Explore the process of synchronization and how to get data — contacts, appointments, movies, songs, podcasts, and such — between your computer, your iPhone, iCloud, and other iDevices, quickly and painlessly.
- ✔ Discover all the ways you can make and receive calls on the iPhone — even video calls, where two (or more) people can see each other. Use the iPhone's clever visual voicemail, select a ringtone, and ignore, juggle, and merge calls.
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# Unveiling the iPhone

## *In This Chapter*

- ▶ Looking at the big picture
- ▶ Touring the outside of the iPhone
- ▶ Checking out the iPhone's apps

Congratulations. You've selected one of the most incredible handheld devices we've ever seen. Of course, the iPhone is one heck of a wireless telephone, but it's actually *four* handheld devices in one. At least it's four devices right out of the box. Add some iPhone apps, and your iPhone becomes a PDA, an e-book reader, a handheld gaming device, a memory jogger, an exercise assistant, and ever so much more. We discuss optional apps — how to obtain, install, and delete them — throughout the book and particularly in Chapters 15, 17, and 18.

For now, we focus on the four awesome handheld devices your iPhone is the day you take it out of the box. In addition to being an excellent cellphone, the iPhone is a gorgeous widescreen video iPod, a fantastic 5-megapixel (iPhone 4) or 8-megapixel (iPhone 4s and later) camera/camcorder (the iPhone 5s has the best 8-megapixel camera we've seen to date), as well as a tiny-yet-powerful Internet communications device.

In this chapter, we offer a gentle introduction to all four devices that make up your iPhone, plus overviews of its revolutionary hardware and software features.



## The Big Picture

The iPhone has many best-of-class features, but perhaps its most unusual feature is the lack of a physical keyboard or stylus. Instead, it has a super-high-resolution touchscreen (326 pixels per inch) that you operate using a pointing device you're already intimately familiar with: your finger.

And what a display it is. We venture that you've never seen a more beautiful screen on a handheld device in your life.

Another feature that still knocks our socks off is the iPhone's built-in sensors. An accelerometer detects when you rotate the device from portrait to landscape mode and adjusts what's on the display accordingly. A proximity sensor detects when the iPhone gets near your face, so it can turn off the display to save power and prevent accidental touches by your cheek. A light sensor adjusts the display's brightness in response to the current ambient lighting situation. (Let's see your Android phone do *that!*) The iPhone even has a gyroscope for advanced motion sensing and includes GPS sensors so your phone can determine where in the world you are.

### What's in the box?

Somehow we think you've already opened the elegant box that the iPhone came in. But if you didn't, here's what you can expect to find inside:

- ✔ **EarPods (iPhone 5 models) or stereo headset (iPhone 4 and 4s):** Use it for music, videos, and, yes, phone calls. The headset contains a built-in microphone for making yourself heard during phone calls.
- ✔ **Lightning-to-USB cable (iPhone 5 models) or dock connector-to-USB cable (iPhone 4 and 4s):** Use this handy cable to sync or charge your iPhone. You can plug the USB connector into your PC or Macintosh to sync or into the included USB power adapter. By the way, if you prefer to have your iPhone standing up on your desk while you charge or sync it, as we do, check out one of the optional charging/syncing docks available from Apple and others.
- ✔ **USB power adapter:** Use this adapter to recharge your iPhone from a standard AC power outlet.
- ✔ **Some Apple logo decals:** Of course.
- ✔ **A quick start guide:** You'll find handy tips from Apple on using the new object of your affection.
- ✔ **iPhone info sheet:** Here's where you'll find safety warnings, legalese, warranty information, and regulatory and compliance gobbledygook, among other things.
- ✔ **SIM eject tool:** Just kidding. Apple hasn't included a SIM eject tool with iPhones in the United States since the iPhone 4. You'll have to use a straightened paper clip or safety pin if you need to remove your SIM card. (See Chapter 16 for more on the SIM card.)
- ✔ **iPhone:** You were starting to worry. Yes, the iPhone itself is also in the box.





The new M7 coprocessor in the iPhone 5s reduces the burden on the A7 processor by collecting motion data from the accelerometer, gyroscope, and compass and passing it to apps that need it without engaging the A7 chip. In addition, the M7 uses significantly less power than the A7 would require, so battery life is spared. You can't tell us that isn't cool! Our favorite example of the M7 coprocessor at work is that the iPhone 5s rarely asks if you want to join a Wi-Fi network when you're in a moving car.

In this section, we take a brief look at some of the iPhone's features, broken down by product category.

### *The iPhone as a phone and digital camera/camcorder*

On the phone side, the iPhone synchronizes with the contacts and calendars on your Mac or PC, as well as contacts and events on iCloud, Google, Yahoo!, and Facebook. It includes a full-featured QWERTY soft, or virtual, keyboard, which makes typing text easier than ever before — for some folks. Granted, the virtual keyboard takes a bit of time to get used to. But we think that many of you eventually will be whizzing along at a much faster pace than you thought possible on a mobile keyboard of this type.

The 8-megapixel camera in the current iPhone lineup (4s, 5c, and 5s, and also in the original iPhone 5) as well as the 5-megapixel camera in the iPhone 4 are now paired with iOS 7's improved Camera and Photos apps, so taking and managing digital photos and videos on your iPhone is a pleasure rather than the nightmare it can be on other phones. Plus, you can automatically synchronize iPhone photos and videos with the digital photo library on your Mac or PC. Okay, we still wish the iPhone 4, 4s, and 5c cameras took better photos and shot better video. That said, they're still pretty darn good cameras.

Our wish has pretty much come true in the iPhone 5s. Its camera sports improved optics, a larger sensor, bigger pixels, 33 percent better light sensitivity (than the iPhone 5 and 5c cameras), image stabilization, and True Tone flash, making it the best iPhone camera yet and perhaps the best ever by any manufacturer. Yes, it's that good.

Another of our favorite phone accoutrements is visual voicemail. (Try saying that three times fast.) This feature lets you see a list of voicemail messages and choose which ones to listen to or delete without being forced to deal with every message in your voice mailbox in sequential order. Now, *that's* handy!

Finally, all iPhone models (except the iPhone 4) come with Siri, an intelligent voice-controlled assistant that understands what you tell him or her (most of the time). We say "him or her" because iOS 7 introduces an optional man's voice for Siri (see Chapter 5). Regardless of which sex you choose, Siri can figure out what you mean and determine which (if any) iPhone app should be used to find the right answer. And, like a real personal assistant, Siri replies in a natural sounding human voice. One last thing: Both flavors of Siri take dictation!

If you've tried voice control before, forget everything you've learned and give Siri a try. We think you'll be as impressed as we are (as long as you have a good Internet connection when you try it — Siri can be close to useless if your connection is slow). We've mentioned just the highlights of the iPhone's superb set of features. But because we still have the entire book ahead of us, we'll put the extended coverage on hold for now (pun intended).

### *The iPhone as an iPod*

We agree with the late Steve Jobs on this one: The iPhone is a better iPod than any iPod Apple has ever made. (Okay, we can quibble about the iPod touch and the iPad, as well as wanting more storage, but you know what we mean.) You can enjoy all your existing iPod content — music, audiobooks, audio and video podcasts, iTunes U courses, music videos, television shows, and movies — on the iPhone's gorgeous high-resolution color display, which is bigger, brighter, and richer than any iPod display that came before it.

Bottom line: If you can get the content — be it video, audio, or whatever — into iTunes on your Mac or PC, you can synchronize it and watch or listen to it on your iPhone.

### *The iPhone as an Internet communications device*

But wait — there's more! Not only is the iPhone a great phone and a stellar iPod, but it's also a full-featured Internet communications device with — we're about to drop a bit of industry jargon on you — a rich HTML e-mail client that's compatible with most POP and IMAP mail services, with support for Microsoft Exchange ActiveSync. (For more on this topic, see Chapter 12.) Also on board is a world-class web browser (Safari) that, unlike on most other phones, makes web surfing fun and easy.

Another cool Internet feature is Maps. By using GPS, Maps can determine your location, let you view maps and satellite imagery, and obtain driving directions and traffic information for much of the United States. You can also find businesses such as gas stations, pizza restaurants, hospitals, and Apple Stores with just a few taps. And the Compass app not only displays your current GPS coordinates but also orients Maps to show the direction you're facing.

You might also enjoy using Stocks, an included app that delivers near real-time stock quotes and charts any time and any place, or Weather, another included app that obtains and displays the weather forecast for as many cities as you like.

The Internet experience on an iPhone is far superior to the Internet experience on any other handheld device we've seen, except the iPad. (Technically, we'd call the iPad a "two-hands-held device" because it's difficult to hold in one hand for more than a few minutes. But we digress.)

## Technical specifications

One last thing before we proceed. Here's a list of everything you need before you can actually *use* your iPhone:

- ✓ An iPhone
- ✓ In the United States, a wireless contract with AT&T, Verizon, Sprint, one of the smaller carriers, such as C Spire or Cricket, or a contract-free T-Mobile or other service
- ✓ An Apple ID
- ✓ Internet access (required) — broadband wireless Internet access recommended

In addition, we think you'll find that many tasks are faster and easier if you perform them on a computer with iTunes instead of on your iPhone's much smaller screen — although you don't technically *need* a computer to use your iPhone. And some tasks, such as reordering Home screens, can *only* be accomplished in iTunes.

If you decide to introduce your iPhone to your computer (and we recommend it for anyone who has a computer), here's what's required:

- ✓ **For Macs:** A Mac with a USB 2.0 or 3.0 port, OS X 10.6.8 or later, and iTunes 11.1 or later
- ✓ **For Windows:** A PC with a USB 2.0 or 3.0 port; Windows 8, Windows 7, Windows Vista, or Windows XP Home or Professional with Service Pack 3 or later; and iTunes 11.1 or later (free download at [www.itunes.com/download](http://www.itunes.com/download))

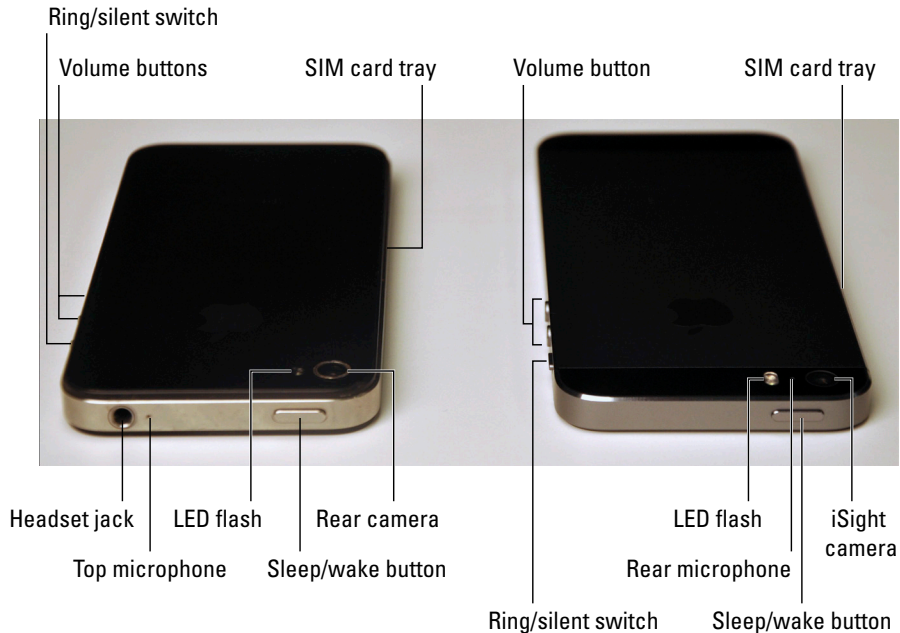
One last thing: Although the preceding specifications are correct, if you want to use iCloud (and you probably will), the system requirements are somewhat more stringent: for Macs you'll need OS X 10.7.5 or later and for PCs you'll need Windows 7 or Windows 8.

## A Quick Tour Outside

The iPhone is a harmonious combination of hardware and software. In this section, we take a brief look at what's on the outside. In the next section, we peek at the software.

### On the top and side

On the top of your iPhone, you'll find a microphone and the sleep/wake button, as shown in Figure 1-1. The SIM card tray is on one side, and the ring/silent switch and volume buttons are on the other side. We describe these elements more fully in the following list:



**Figure 1-1:** The top side of the iPhone 4s and the iPhone 5s.



- ✓ **Microphone:** Used for FaceTime calls and noise suppression during phone calls.
- ✓ **SIM card tray:** The SIM card tray is where you remove or replace the SIM card inside your iPhone.  

A SIM (Subscriber Identity Module) card is a removable smart card used to identify mobile phones. It allows users to change phones by moving the SIM card from one phone to another. Kind of — the iPhone 4 and 4s use a micro-SIM, while all iPhone 5 models use a smaller version called a nano-SIM. And, of course, they're not compatible.
- ✓ **Sleep/wake button:** This button is used to lock or unlock your iPhone and to turn your iPhone on or off. When your iPhone is locked, you can still receive calls and text messages, but nothing happens if you touch its screen. When your iPhone is turned off, all incoming calls go directly to voicemail.
- ✓ **Headset jack (iPhone 4 and 4s only):** The headset jack on the iPhone 4 and 4s lets you plug in the included iPhone headset, which looks a lot like white iPod earbuds. Unlike iPod earbuds, however, the iPhone headset has a microphone so that you can talk as well as listen.
- ✓ **Ring/silent switch:** This switch, which is on the left side of your iPhone, lets you quickly switch between ring mode and silent mode. When the switch is set to ring mode — the up position, with no orange dot — your



iPhone plays all sounds through the speaker on the bottom. When the switch is set to silent mode — the down position, with an orange dot visible on the switch — your iPhone doesn't make a sound when you receive a call or when an alert pops up on the screen.

Silent mode is overridden, however, by alarms you set in the built-in Clock app, iPod audio, and selecting sounds such as ringtones and alert sounds in the Settings app.

If your phone is set to ring mode and you want to silence it quickly, press the sleep/wake button on the top of the iPhone or press one of the volume buttons.

- ✓ **Volume buttons:** Two volume buttons are just below the ring/silent switch. The upper button increases the volume; the lower one decreases it. You use the volume buttons to raise or lower the loudness of the ringer, alerts, sound effects, songs, and movies. And during phone calls, the buttons adjust the voice loudness of the person you're speaking with, regardless of whether you're listening through the receiver, the speakerphone, or a headset.

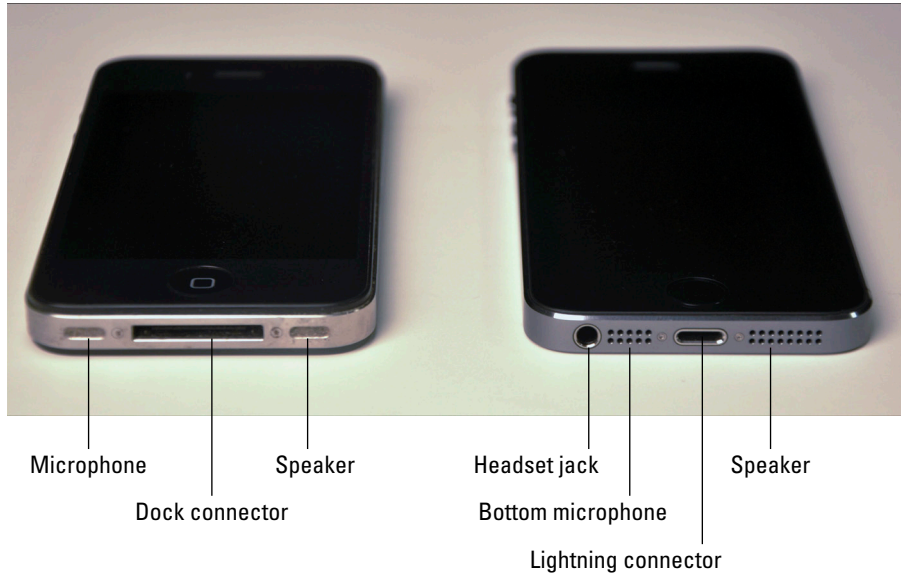
## On the bottom

On the bottom of your iPhone, you'll find the microphone, the dock connector or Lightning connector, the speaker, and the headset jack (on the iPhone 5), as shown in Figure 1-2:



- ✓ **Headset jack (iPhone 5, 5c, and 5s):** The headset jack lets you plug in the included iPhone headset, which looks a lot like EarPods but with an elliptical shape.
- ✓ **Microphone:** The microphone lets callers hear your voice when you're not using a headset.  
 The iPhone 4 and 4s have two microphones (top and bottom); iPhone 5 models sport three (top front, top back, and bottom). The top ones are used for FaceTime calls and also work with the main mic (located on the bottom) to suppress unwanted and distracting background sounds on phone calls using dual-mic noise suppression or beam-forming technology.
- ✓ **Dock or Lightning connector:** The Lightning connector (dock connector on the iPhone 4 and 4s) has three purposes. One, you can use it to recharge your iPhone's battery. Simply connect one end of the included Lightning- or dock connector-to-USB cable to the iPhone and the other end to the USB power adapter. Two, you can use the port to synchronize. Connect one end of the cable to the port on your iPhone and the other end to a USB port on your Mac or PC. And three, you can use the Lightning or dock connector port to connect your iPhone to other devices, such as a camera or television using an adapter such as the Camera Connection Kit or one of Apple's A/V adapter cables.

- ✓ **Speaker:** The speaker is used by the iPhone’s built-in speakerphone and plays audio — music or video soundtracks — if no headset is plugged in. It also plays the ringtone you hear when you receive a call.



**Figure 1-2:** The bottom side of the iPhone 4s (left) and the iPhone 5s (right).

## On the front

On the front of your iPhone, you’ll find the following (labeled in Figure 1-3):

- ✓ **Camera:** The camera on the front of the iPhone is tuned for FaceTime, so it has just the right field of view and focal length to focus on your face at arm’s length, which presents you in the best possible light.
- ✓ **Receiver:** The receiver is the speaker that the iPhone uses for telephone calls. It naturally sits close to your ear whenever you hold your iPhone in the “talking on the phone” position.

You should be the only one who hears sound coming from the receiver. If you have the volume set above about 50 percent and you’re in a location with little or no background noise, someone standing nearby may be able to hear the sound, too. So be careful.

If you require privacy during phone calls, use the included Apple headset (or any compatible third-party wired or wireless headset — as discussed in Chapter 14).

