Eight fully updated reference guides one great price!

ALL-IN-ONE DESK REFERENCE FOR DUIMONE

4th Edition

®



- PC Hardware
- Windows Vista®
- The Internet
- Microsoft[®] Works
- Office 2007
- Fun with Movies, Music, and Photos
- Upgrading and Supercharging
- Home Networking

Mark L. Chambers



PCs All-in-One Desk Reference For Dummies, 4th Edition

by Mark L. Chambers



PCs All-in-One Desk Reference For Dummies, 4th Edition®

Published by Wiley Publishing, Inc. 111 River St. Hoboken, NJ 07030-5774 www.wiley.com

Copyright $\ensuremath{\mathbb{C}}$ 2008 by Wiley Publishing, Inc., Indianapolis, Indiana

Published by Wiley Publishing, Inc., Indianapolis, Indiana

Published simultaneously in Canada

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as permitted under Sections 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher, or authorization through payment of the appropriate percopy fee to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 646-8600. Requests to the Publisher for permission should be addressed to the Legal Department, Wiley Publishing, Inc., 10475 Crosspoint Blvd., Indianapolis, IN 46256, (317) 572-

3447, fax (317) 572-4355, or online at <u>http://www.wiley.com/go/permissions</u>.

Trademarks: Wiley, the Wiley Publishing logo, For Dummies, the Dummies Man logo, A Reference for the Rest of Us!, The Dummies Way, Dummies Daily, The Fun and Easy Way, Dummies.com, and related trade dress are trademarks or registered trademarks of John Wiley & Sons, Inc. and/or its affiliates in the United States and other countries, and may not be used without written permission. All other trademarks are the property of their respective owners. Wiley Publishing, Inc., is not associated with any product or vendor mentioned in this book.

LIMIT OF LIABILITY/DISCLAIMER OF WARRANTY: The publisher and the author make no representations or warranties with respect to the accuracy or completeness of the contents of this work and specifically disclaim all warranties, including without limitation warranties of fitness for a particular purpose. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Neither the publisher nor the author shall be liable for damages arising herefrom. The fact that an organization or Website is referred to in this work as a citation and/or a potential source of further

information does not mean that the author or the publisher endorses the information the organization or Website may provide or recommendations it may make. Further, readers should be aware that Internet Websites listed in this work may have changed or disappeared between when this work was written and when it is read.

For general information on our other products and services, please contact our Customer Care Department within the U.S. at 800-762-2974, outside the U.S. at 317-572-3993, or fax 317-572-4002.

For technical support, please visit <u>www.wiley.com/techsupport</u>.

Wiley also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.

Library of Congress Control Number: 2007943300

ISBN: 978-0-470-22338-3

Manufactured in the United States of America

10 9 8 7 6 5 4 3 2 1

WILEY

About the Author

Mark L. Chambers has been an author, a computer consultant, a BBS sysop, a programmer, and a hardware technician for more than 20 years — pushing computers and their uses far beyond "normal" performance limits for decades now. His first love affair with a computer peripheral blossomed in 1984 when he bought his lightning-fast 300 BPS modem for his Atari 400. Now he spends entirely too much time on the Internet and drinks far too much caffeine-laden soda.

With a degree in journalism and creative writing from Louisiana State University, Mark took the logical career choice: programming computers. However, after five years as a COBOL programmer for a hospital system, he decided there must be a better way to earn a living, and he became the Documentation Manager for Datastorm Technologies, a well-known communications software developer. Somewhere in between writing software manuals, Mark began writing computer how-to books. His first book, *Running a Perfect BBS*, was published in 1994 — and after a short decade or so of fun (disguised as hard work), Mark is one of the most productive and best-selling technology authors on the planet.

Along with writing several books a year and editing whatever his publishers throw at him, Mark has also branched out into Web-based education, designing and teaching a number of online classes — called WebClinics — for Hewlett-Packard. His favorite pastimes include collecting gargoyles, watching St. Louis Cardinals baseball, playing his three pinball machines and the latest computer games, supercharging computers, and rendering 3D flights of fancy with TrueSpace — and during all that, he listens to just about every type of music imaginable. Mark's popular worldwide Internet radio station, MLC Radio (at <u>www.mlcbooks.com</u>), plays only CD-quality classics from 1970 to 1979, including everything from Rush to Billy Joel to the *Rocky Horror Picture Show*.

Mark's rapidly expanding list of books includes *MacBook* For Dummies; Apple TV For Dummies; iMac For Dummies, Fourth Edition; Mac OS X Leopard All-In-One Desk Reference For Dummies; Building a PC For Dummies, Fifth Edition; Scanners For Dummies, Second Edition; CD & DVD Recording For Dummies, Second Edition; PCs All-In-One Desk Reference For Dummies, Third Edition; Mac OS X Tiger: Top 100 Simplified Tips & Tricks; Microsoft Office v. X Power User's Guide; BURN IT! Creating Your Own Great DVDs and CDs; The Hewlett-Packard Official Printer Handbook; The Hewlett-Packard Official Recordable CD Handbook; The Hewlett-Packard Official Digital Photography Handbook; Computer Gamer's Bible; Recordable CD Bible; Teach Yourself the iMac Visually; Running a Perfect BBS; Official Netscape Guide to Web Animation; and the Windows 98 Troubleshooting and Optimizing Little Black Book.

His books have been translated into 14 different languages so far — his favorites are German, Polish, Dutch, and French. Although he can't read them, he enjoys the pictures a great deal. Mark welcomes all comments about his books. You can reach him at mark@mlcbooks.com, or visit MLC Books Online, his Web site, at <u>www.mlcbooks.com</u>.

Dedication

This book is dedicated to my daughter in-between, Chelsea Chambers — graphic designer, Johnny Depp expert, mathematician, and audiophile — with all my love.

Author's Acknowledgments

Books don't produce themselves — and no book that I've written is complete without a round of sincere thanks (and applause) that's due to everyone involved!

First, my appreciation to my technical editor, Lee Musick, who spent weeks checking every fact and verifying every menu choice in this book. I do a lot of technical editing myself, and I can tell you that it's no simple task to wade through this many chapters — it takes a combination of long nights and lots of soda.

This is my fourth All-in-One Desk Reference For Dummies volume, and again, the Wiley Composition Services team has outdone itself in designing and preparing the material. All the beautiful formatting in this book (including every single figure and screen shot, all the step-by-step procedures, and the regular appearances of Mark's Maxims) is a testament to this team's hard work.

As with all my books, I'd like to thank my wife, Anne, and my children, Erin, Chelsea, and Rose, for their support and love — and for letting me follow my dream!

And I won't forget the support, the patience, and the guidance of Kyle Looper, my acquisitions editor, and Nicole Sholly, my project editor. Kyle, I hope I kept any headaches to a minimum, even with a tome this size. And Nicole, I was again very lucky to have you at the helm of another Wiley book! My heartfelt thanks to you both.

Publisher's Acknowledgments

We're proud of this book; please send us your comments through our online registration form located at <u>www.dummies.com/register/</u>.

Some of the people who helped bring this book to market include the following:

Acquisitions and Editorial

Project Editor: Nicole Sholly

(Previous Edition: Mark Enochs)

Acquisitions Editor: Kyle Looper

Copy Editor: Rebecca Whitney

(Previous Edition: Heidi Unger)

Technical Editor: Lee Musick

Editorial Manager: Kevin Kirschner

Editorial Assistant: Amanda Foxworth

Sr. Editorial Assistant: Cherie Case

Cartoons: Rich Tennant (<u>www.the5thwave.com</u>)

Composition Services

Project Coordinator: Lynsey Stanford

Layout and Graphics: Claudia Bell, Carl Byers, Joyce Haughey, Melissa K. Jester, Barbara Moore, Ronald Terry, Christine Williams

Special Art:

Proofreaders: John Greenough, Caitie Kelly, Bonnie Mikkelson

Indexer: Steve Rath

Publishing and Editorial for Technology Dummies

Richard Swadley, Vice President and Executive Group Publisher

Andy Cummings, Vice President and Publisher

Mary Bednarek, Executive Acquisitions Director

Mary C. Corder, Editorial Director

Publishing for Consumer Dummies

Diane Graves Steele, Vice President and Publisher

Joyce Pepple, Acquisitions Director

Composition Services

Gerry Fahey, Vice President of Production Services **Debbie Stailey,** Director of Composition Services

Contents

<u>Title</u>

Introduction

What's Really Required

What's Not Required

About This Book

Conventions Used in This Book

How This Book Is Organized

Icons Used in This Book

Part I : PC Hardware

Chapter 1: Starting with the Basics

Basic TermsThe Common Components of a Desktop PCDesktop PCs versus Laptop PCsRAM and Processors: The Keys to PerformanceYour Friend, Your Operating SystemChapter 2: Additional Toys Your PC Will Enjoy

Printers Scanners Keyboards, Tablets, and Pointing Things Big-Time Game Controllers Video and Digital Cameras

External Drives

Surge Protectors and UPS Units

<u>Chapter 3: Connectors, Ports, and Sundry</u> <u>Openings</u>

Using USB Stuff

Riding in the Fast Lane with FireWire

Your Fossilized Serial Port

The Once-Renowned Parallel Port

Meet Your Video Port

Audio Connectors You Likely Need

Keyboard and Mouse Ports on Parade

Chapter 4: Maintaining Your Hardware

When Should You Move Your PC?

Avoiding Dust Bunnies

Watching Your Cables

Cleaning Monitors and Scanners

<u>Cleaning Your Mouse and Keyboard</u>

<u>Cleaning and Maintaining Your Printer</u>

Part II : Windows Vista

Chapter 1: Shake Hands with Windows Vista

<u>Why Windows Vista, Anyway?</u> <u>Shutting Things Down</u> <u>Your Windows Vista Controls</u> Using Bill's Funky Keys

Using the Windows Vista Help System

Chapter 2: The Many Windows of Windows

Managing Windows Means Productivity

<u>A Field Guide to Icons</u>

Selecting Icons

<u>Using the Toolbar</u>

Chapter 3: Windows Vista Basics

<u>Running Applications from the Start Menu</u>

Running Applications from Your Hard Drive

Running Applications from a CD-ROM or DVD-ROM

Running Applications from a Network Drive

Exiting a Program

Putting Your Files in Order

Emptying the Recycle Bin

Recovering Items from the Recycle Bin

Putting the Start Menu through Its Paces

Handling the Taskbar

<u>Terminating a Program with Prejudice</u>

Formatting a Floppy Disk

Chapter 4: Customizing Windows Vista

Personalizing Your Desktop

Switching Views and Sorting Items

Don't Forget Folders View!

What's This Stuff in the My User Folder?

Share the Documents

Creating a Shortcut

Multiuser Operation For Dummies

<u>Fax Me, Please</u>

Doing the Multimedia Thing

Chapter 5: Maintaining the Vista Beast

Device Manager: The Hardware Tool

Checking Your Hard Drives in Windows Vista

Defragmenting Just Plain Rocks

Be Smart: Back Up Your Stuff

Safeguarding Your System with System Restore

Have at Thee, Foul Virus!

Windows Vista Boot and Recovery Options

Using Windows Update

Installing Vista Service Pack 1

<u>Chapter 6: Taking Control of the Control Panel</u>

First, Put the Control Panel on the Start Menu!

Configuring the Date and Time

Changing Personalization Settings

Choosing AutoPlay Options

Adjusting the Power Options

Tweaking the Keyboard

Adjusting Thy Mouse

Configuring Internet Options

Uninstalling and Repairing Programs and Features

Fine-Tuning User Accounts

Configuring Phone and Modem Options

Chapter 7: Easy Vista Troubleshooting

Relax and Breathe Easy

The Troubleshooting Process, Step by Step

Drastic Things That You Won't Do Often

HELP! Additional Troubleshooting Resources

Part III : The Internet

Chapter 1: Making Sense of the Internet

Exactly What Is the Internet, Anyway?

Exploring the Possibilities of Your Internet Connection

Understanding Internet Connections

"What Exactly Do I Need?"

<u>Chapter 2: Adding a Dialup Connection to Windows</u> <u>Vista</u>

Gathering the Account Incantations

Making the Physical Connection

Creating a New Dialup Connection in Windows Vista

"Is My Connection Alive?"

"My Connection Appears to Be Dead"

<u>Chapter 3: Protecting Your Internet Privacy</u>

What Can Really Happen?

Common Sense Goes a Long Way

Using Antivirus Software

<u>Chapter 4: Cruising the Web with Internet Explorer</u>

Running Internet Explorer

The Explorer Window and Basic Controls

Navigating the Web

Downloading Files

Keeping Track of Where You've Been

Printing and Saving Web Pages

Chapter 5: Harnessing Your E-Mail

Introducing the Mail Window

Setting Up Your Mailbox

The Three R's: Receiving, Reading, and Replying

Sending E-Mail to Friends and Enemies

Sending and Receiving File Attachments

<u>Spam: I Hate It — Truly I Do!</u>

Working with the Address Book

Chapter 6: Instant Messaging Done Right

Selecting a Chat Client

Running Windows Live Messenger

Configuring Windows Live Messenger

Keeping Track of Friends and Family

Chatting with Your Brethren

Selecting a Status

Squelching the Unwelcome Few

Part IV : Microsoft Works

Chapter 1: An Overview of Works

What Can You Do with Works?

Introducing Task Launcher

Displaying Help within Works

Chapter 2: Word Processing in Works

Running Word Processor

Your Word Processing Tools

Typing Text

Selecting and Editing Text

Finding and Replacing Stuff

Formatting Fonts and Paragraphs

Formatting Bullets and Numbered Lists

Adding Graphics

Adding Tables

Checking Your Spelling

Printing Your Documents

Chapter 3: Working with Spreadsheets

Running the Spreadsheet

Introducing the Spreadsheet Window

<u>A Word about Works Spreadsheets</u>

Navigating the Spreadsheet and Entering Data

Selecting and Editing Cells

Formatting a Cell, Row, or Column

Inserting and Deleting Rows and Columns

Using Easy Calc

Adding a Chart

Printing Your Documents

Chapter 4: Using Works Calendar

Checking Out the Calendar

Creating a New Calendar

Adding and Editing Appointments

Searching for Specific Appointments

Filtering Appointments

Exporting Appointments

Printing Appointments

Chapter 5: Having Fun with Works Database

Getting Started with Works Database

Creating a Database and Entering Data

Editing a Database

Sorting and Searching for Specific Records

Building Reports

Printing Database Documents

Part V : Office 2007

Chapter 1: Introducing Office 2007

The Components of Office 2007

Putting the Office Clipboard to Work

Sharing Well with Others

Using the Office Help System

Chapter 2: Using Word

Running Word

The Elements of Word

A Word about Views

Typing, Selecting, and Editing Text

Finding and Replacing Stuff

Building Tables

Adding Bulleted and Numbered Lists

Adjusting Tabs and Margins

Applying Formatting

Adding Graphics

Doing the Collaboration Thing

Printing Your Document

Chapter 3: Putting Excel to Work

Running ExcelWaltzing Around the Excel WindowSelecting, Entering, and Editing Cell DataWorking with Numbers and DatesWorking with Rows and ColumnsFormatting in ExcelThe Basics of Excel Formulas

Working with Graphics in Excel

Adding a Chart

Linking Cells

Adding Headers and Footers

Printing Your Worksheets

Chapter 4: Performing with PowerPoint

Getting Your Bearings in PowerPoint

Changing Views

Creating Slides

Typing, Selecting, and Editing Text

Installing Graphics in Your Slides

<u>Applying a Theme</u>

Entering Notes

Using Movies and Sound

Building and Running a Slide Show

Making a Transition 'twixt Slides

<u>Using Package for CD</u>

Printing Your Document

Chapter 5: Doing Database Magic with Access

Running AccessA Quick Tour of the Access Window

Creating Access Tables

Creating a Form with the Wizard

Entering and Editing Fields Manually

Using Access Templates

Printing Your Data

Chapter 6: Staying in Touch with Outlook

Running Outlook

Elements of the Outlook Window

Configuring Your Mail Account

Reading and Replying to E-Mail

Composing and Sending Messages

Using File Attachments

Keeping Track of Your Contacts

Using the Outlook Calendar

Printing within Outlook

Part VI : Fun with Movies, Music, and Photos

Chapter 1: Scanning with Gusto

What Happens Inside a Scanner?

Your Friend, the Flatbed

Popular Scanner Features

Basic Scanning with Paint Shop Pro

Scanning Do's and Don'ts

Those Irritating (Or Invaluable) Copyrights

Adding a Copyright Line

Chapter 2: Dude, MP3 Rocks!

An MP3 Primer

<u>Ripping Your Own MP3 Files</u>

Listening to Your Stuff

Downloading to an MP3 Player

Using Other Sound Formats

Burning Audio CDs from MP3 Files

Chapter 3: Making Movies with Your PC

Getting the Lowdown on ShowBiz DVD 2

Rounding Up Clips and Images

Building Your First Movie

Adding Transitions without Breaking a Sweat

Adding Special Effects without Paying George Lucas

Adding Sound

You've Just Gotta Have Titles!

Previewing Your Oscar-Winning Work

Saving and Burning Before Traveling to Cannes

Chapter 4: I Can Make My Own DVDs?

Welcome to Windows DVD Maker

<u>Clips 'R Easy!</u>

Time to Preview

Burning Your DVD and Celebrating Afterward

<u>Chapter 5: I'm Okay, You're a Digital Camera</u>

How Does a Digital Camera Work? The Pros and Cons of Digital Photography Digital Camera Extras to Covet The Lazy-Man's Guide to Composing Photographs Organizing Your Pictures

Downloading Your Images

Part VII : Upgrading and Supercharging

Chapter 1: Determining What to Upgrade

Making Performance Upgrades: CPU, Motherboard, and MemoryExpansion Upgrades: USB 2.0 and FireWireMaking Storage Upgrades: Internal and External DrivesMaking Sound and Video Upgrades: Sound and Video Cards

Chapter 2: Adding RAM to Your Hot Rod

Figuring Out What Type of Memory You Need

Deciding How Much RAM Is Enough

Installing Extra RAM

Chapter 3: Scotty, I Need More Power!

Hey, Do I Need to Do This?

Selecting a New Motherboard

Installing a Motherboard and CPU

<u>Chapter 4: Adding Hard Drive Territory to Your</u> <u>System</u>

The Tale of Virtual Memory

Recognizing a Well-Dressed Hard Drive

Internal versus External Storage

Adding a Second Internal Hard Drive

Chapter 5: Partying with USB, FireWire, and Hubs

Comparing USB Ports

I Vote for FireWire

<u>Or Do You Just Need a Hub?</u>

Installing a Port Card

<u>Chapter 6: Pumping Up Your Sound and Video</u>

Sound Card Features to Covet

Shopping for a Monster Graphics Card

Installing Sound and Video Cards

Part VIII : Home Networking

Chapter 1: Do I Really Need a Network?

Discovering the Advantages of a Network

What Can I Connect To?

What Hardware Do I Need?

What Software Do I Need?

To Network or Not to Network

Chapter 2: Ethernet to the Rescue

<u>A Quickie Ethernet Primer</u>
<u>The Hardware You Need</u>
<u>Doing the Cable Dance</u>
<u>Configuring Windows Vista for Your Network</u>
<u>Printing Across the Network</u>
<u>Using a Standard Switch with a Cable or DSL Modem</u>

Troubleshooting Your Network

Chapter 3: Going Wireless

Understanding Wireless Networking

Using Wireless Hardware in Windows XP and Vista

Chapter 4: Sharing Your Internet Connection

Why Share Your Internet Connection?

Sharing through Software in Windows Vista

Sharing through Hardware

Chapter 5: Securing Your Home Network

Common Sense Tips for Wired Networks

Ensuring Security on Your Wireless Network

Using Shared Folders (The Right Way)

Knowing Why You Need NAT

Marveling at the Magic of Virtual Private Networking