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Canon® Rebel T1i/500D FOR DUMMIES®

Learn to:

- Achieve more control with the Creative Auto exposure mode
- Shoot HD movies and play them back on your TV
- Use the built-in tools to solve exposure and lens vignetting issues

IN FULL COLOR!

Julie Adair King
Author of all editions of Digital Photography For Dummies®

Canon® EOS Rebel T1i/500Dm For Dummies®

Table of Contents

- Introduction
  - A Quick Look at What's Ahead
    - Part I: Fast Track to Super Snaps
    - Part II: Taking Creative Control
    - Part III: Working with Picture Files
    - Part IV: The Part of Tens
  - Icons and Other Stuff to Note
  - About the Software Shown in This Book
  - Practice, Be Patient, and Have Fun!
- Part I: Fast Track to Super Snaps
  - 1: Getting the Lay of the Land
    - Getting Comfortable with Your Lens
      - Attaching a lens
      - Removing a lens
      - Using an IS (image stabilizer) lens
      - Shifting from autofocus to manual focus
      - Zooming in and out
    - Adjusting the Viewfinder Focus

Working with Memory Cards
Exploring External Camera Controls
Topside controls
Back-of-the-body controls
Front-left buttons
Viewing and Adjusting Camera Settings
Ordering from menus
Using the Shooting Settings display
Taking advantage of the Quick Control screen
Decoding viewfinder data
Checking the Camera Settings display
Reviewing Basic Setup Options
Setup Menu 1
Setup Menu 2
Setup Menu 3
Three more customization options
2: Taking Great Pictures, Automatically
Getting Good Point-and-Shoot Results
Exploring Basic Flash Options
Using Red-Eye Reduction Flash
Shooting in the Fully Automatic Modes
Full Auto mode
Automatic scene modes (a.k.a. Image Zone modes)
Gaining More Control with Creative Auto
Changing the Drive Mode
3: Controlling Picture Quality

Diagnosing Quality Problems
Decoding the Quality Options
Considering Resolution: Large, Medium, or Small?
Pixels and print quality
Pixels and screen display size
Pixels and file size
Resolution recommendations
JPEG: The imaging (and Web) standard
Raw (CR2): The purist’s choice
My take: Choose Fine or Raw
4: Monitor Matters: Picture Playback, Live View, and Movie Mode
Disabling and Adjusting Instant Review
Viewing Images in Playback Mode
Viewing multiple images at a time
Jumping through images
Rotating vertical pictures
Zooming in for a closer view
Viewing Picture Data
Basic information display modes
Shooting Information display
Understanding Histogram display mode
Deleting Photos
Erasing single images
Erasing all images on your memory card
Erasing selected images
Protecting Photos

Using Your Monitor as a Viewfinder

Enabling Live View

Taking a shot in Live View mode

Customizing Live View shooting data

Using the Quick Control screen in Live View mode

Displaying an alignment grid

Recording Movies

Changing the information display

Setting basic recording options

Shooting your first movie

Playing movies

Part II: Taking Creative Control

5: Getting Creative with Exposure and Lighting

Kicking Your Camera into Advanced Gear

Introducing the Exposure Trio: Aperture, Shutter Speed, and ISO

Understanding exposure-setting side effects

Doing the exposure balancing act

Monitoring Exposure Settings

Choosing an Exposure Metering Mode

Setting ISO, f-stop, and Shutter Speed

Controlling ISO

Adjusting aperture and shutter speed

Sorting through Your Camera’s Exposure-Correction Tools

Overriding autoexposure results with Exposure Compensation

Improving high-contrast shots with Highlight Tone Priority

Experimenting with Auto Lighting Optimization

Correcting lens vignetting with Peripheral Illumination Correction

Locking Autoexposure Settings

Bracketing Exposures Automatically

Using Flash in Advanced Exposure Modes

Understanding your camera’s approach to flash

Adjusting flash power with Flash Exposure Compensation

Locking the flash exposure

Exploring more flash options

Using an external flash unit

6: Manipulating Focus and Color

Reviewing Focus Basics

Adjusting Autofocus Performance

Selecting an autofocus point

Changing the AF (autofocus) mode

Autofocusing in Live View and Movie Modes

Choosing the Live View or Movie mode autofocusing method

Quick mode autofocusing

Using Live mode autofocusing

Using Live mode autofocus with face detection

Manipulating Depth of Field

Using A-DEP mode

Checking depth of field

Controlling Color

Correcting colors with white balance

Changing the white balance setting

Creating a custom white balance setting

Fine-tuning white balance settings

Bracketing shots with white balance

Choosing a Color Space: sRGB vs. Adobe RGB

Taking a Quick Look at Picture Styles

7: Putting It All Together

Recapping Basic Picture Settings

Setting Up for Specific Scenes

Shooting still portraits

Capturing action

Capturing scenic vistas

Capturing dynamic close-ups

Coping with Special Situations

Part III: Working with Picture Files

8: Downloading, Organizing, and Archiving Your Photos

Sending Pictures to the Computer

Connecting camera and computer

Starting the transfer process

Downloading images with Canon tools

Using ZoomBrowser EX/ImageBrowser

Getting acquainted with the program

Viewing photos in full-screen mode

Organizing your photos

Processing Raw (CR2) Files

9: Printing and Sharing Your Photos

Avoiding Printing Problems

Check the pixel count before you print

Allow for different print proportions

Get print and monitor colors in sync

Printing Online or In-Store

Printing from ZoomBrowser EX/ImageBrowser

Preparing Pictures for E-Mail and Online Sharing

Creating an In-Camera Slide Show

Viewing Your Photos on a Television

Part IV: The Part of Tens

10: Ten Fast Photo-Editing Tricks

Removing Red-Eye

Cropping Your Photo

Adjusting Color Saturation

Tweaking Color Balance

Adjusting Exposure

Three-point exposure control with the Level Adjustment filter

Gaining more control with the Tone Curve Adjustment filter

Sharpening Focus (Sort Of)

Shifting to AutoPilot

Adding Text

Saving Your Edited Files

11: Ten Special-Purpose Features to Explore on a Rainy Day

Changing the Function of the Set Button

Customizing Exposure and Focus Lock Options

Disabling the AF-Assist Beam

Enabling Mirror Lockup

Adding Cleaning Instructions to Images

Turning Off the Shooting Settings Screen

Adding Original Decision Data

Creating Your Very Own Camera Menu

Tagging Files with Your Copyright Claim

Getting Free Help and Creative Ideas

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by Julie Adair King

Author of Digital Photography For Dummies

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Julie Adair King is the author of many books about digital photography and imaging, including the bestselling Digital Photography For Dummies. Her most recent titles include For Dummies guides to the Canon EOS Digital Rebel XS, XSi/450D, and XTi/400D, Digital Photography Before & After Makeovers, Digital Photo Projects For Dummies, Julie King's Everyday Photoshop For Photographers, Julie King's Everyday Photoshop Elements, and Shoot Like a Pro!: Digital Photography Techniques. When not writing, King teaches digital photography at such locations as the Palm Beach Photographic Centre. A graduate of Purdue University, she resides in Indianapolis, Indiana.

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Introduction

In 2003, when Canon introduced the very first under-$1,000 digital SLR camera, the EOS Digital Rebel/300D, it revolutionized the camera scene. For the first time, photography enthusiasts could enjoy the benefits of digital SLR photography without breaking the bank. And even at the then-unheard-of price, the camera delivered exceptional performance and picture quality, earning it rave reviews and multiple industry awards. No wonder it quickly became a best seller.

That tradition of excellence and value lives on in the EOS Rebel T1i/500D. Like its ancestors, this baby offers the range of advanced controls that experienced photographers demand plus an assortment of tools designed to help beginners to be successful as well. Adding to the fun, this camera also brings a brand new feature to the Rebel line: the option to record short, high-definition digital movies.

This Rebel is so feature-packed, in fact, that it can be a challenge to sort everything out, especially if you’re new to digital photography, SLR photo-graphy, or both. For starters, you may not even be sure what SLR means or how it affects your picture taking, let alone have a clue as to all the other techie terms you encounter in your camera manual — resolution, aperture, white balance, format, and so on. And if you’re like many people, you may be so overwhelmed by all the controls on your camera that you haven’t yet ventured beyond fully automatic picture-taking mode. And that’s a shame because it’s sort of like buying a Porsche and never actually taking it on the road.

Therein lies the point of *Canon EOS Rebel T1i/500D For Dummies.* Through this book, you can discover not just what each bell and whistle on your camera does, but also when, where, why, and how to put it to best use. Unlike many photography books, this one doesn't require any previous knowledge of photography or digital imaging to make sense of things, either. In classic *For Dummies* style, everything is explained in easy-to-understand language, with lots of illustrations to help clear up any confusion.

In short, what you have in your hands is the paperback version of an in-depth photography workshop tailored specifically to your Canon picture-taking powerhouse. Whether your interests lie in taking family photos, exploring nature and travel photography, or snapping product shots for your business, you'll get the information you need to capture the images you envision.

A Quick Look at What's Ahead

This book is organized into four parts, each devoted to a different aspect of using your camera. Although chapters flow in a sequence that's designed to take you from absolute beginner to experienced user, I also tried to make each chapter as self-standing as possible so that you can explore the topics that interest you in any order you please.

The following sections offer brief previews of each part. If you're eager to find details on a specific topic, the index shows you exactly where to look.

Part I: Fast Track to Super Snaps

Part I contains four chapters that help you get up and running with your Rebel T1i/500D:

Chapter 1, “Getting the Lay of the Land,” offers a tour of the external controls on your camera, shows you how to navigate camera menus to access internal options, and walks you through initial camera setup and customization steps.

Chapter 2, “Taking Great Pictures, Automatically,” shows you how to get the best results when using the camera’s fully automatic exposure modes, including Portrait, Sports, and Landscape modes. It also features the new Creative Auto mode, which makes it easy for you to take a little more artistic control over your photos.

Chapter 3, “Controlling Picture Quality,” introduces you to one setting that’s critical whether you shoot in automatic or manual mode: the Quality setting, which affects resolution (pixel count), file format, file size, and picture quality.

Chapter 4, “Monitor Matters: Picture Playback, Live View, and Movie Mode” explains how to review your pictures on the camera monitor, delete unwanted images, and protect your favorites from accidental erasure. In addition, this chapter introduces you to Live View shooting, in which you can use your monitor as a viewfinder, and explains your camera’s movie-recording features.

Part II: Taking Creative Control

Chapters in this part help you unleash the full creative power of your camera by moving into semiautomatic or manual photography modes.

Chapter 5, “Getting Creative with Exposure and Lighting,” covers the all-important topic of exposure, starting with an explanation of three critical exposure controls: aperture, shutter speed, and ISO. This chapter also discusses your camera’s advanced exposure modes (P, Tv, Av, M, and A-DEP), explains exposure options such as metering mode and exposure compensation, and offers tips for using the built-in flash.

Chapter 6, “Manipulating Focus and Color,” provides help with controlling those aspects of your pictures. Look here for information about your camera’s automatic and manual focusing features as well as details about color controls such as white balance and the Picture Style options.

Chapter 7, “Putting It All Together,” summarizes all the techniques explained in earlier chapters, providing a quick-reference guide to the camera settings and shooting strategies that produce the best results for specific types of pictures: portraits, action shots, landscape scenes, close-ups, and more.

Part III: Working with Picture Files

This part of the book, as its title implies, discusses the often-confusing aspect of moving your pictures from camera to computer and beyond.

Chapter 8, “Downloading, Organizing, and Archiving Your Photos,” guides you through the process of transferring pictures from your camera memory card to your computer’s hard drive or other storage device. Just as important, this chapter explains how to organize and safeguard your photo files.

Chapter 9, “Printing and Sharing Your Photos,” helps you turn your digital files into “hard copies,” covering both retail and do-it-yourself printing options. This chapter also explains how to prepare your pictures for online sharing and, for times when you have the neighbors over, how to display your pictures on a television screen.

Part IV: The Part of Tens

In famous *For Dummies* tradition, the book concludes with two “top ten” lists containing additional bits of information and advice.

Chapter 10, “Ten Fast Photo-Editing Tricks,” shows you how to fix less-than-perfect images using the free software provided with your camera. You can find out how to remove red-eye, adjust color and exposure, crop your photos, and more.

Chapter 11, “Ten Special-Purpose Features to Explore on a Rainy Day,” presents information about some camera features that, while not found on most “Top Ten Reasons I Bought My Rebel

T1i/500D” lists, are nonetheless interesting, useful on occasion, or a bit of both.

Icons and Other Stuff to Note

If this isn’t your first *For Dummies* book, you may be familiar with the large, round icons that decorate its margins. If not, here’s your very own icon-decoder ring:

I apply this icon either to introduce information that’s especially worth storing in your brain’s long-term memory or to remind you of a fact that may have been displaced from that memory by some other pressing fact.

When you see this icon, look alive. It indicates a potential danger zone that can result in much wailing and teeth-gnashing if ignored.

Lots of information in this book is of a technical nature — digital photo-graphy is a technical animal, after all. But if I present a detail that is useful mainly for impressing your technology-geek friends, I mark it with this icon.

A Tip icon flags information that will save you time, effort, money, or some other valuable resource,

including your sanity.

Additionally, I need to point out a few other details that will help you use this book:

Other margin art: Replicas of some of your camera's buttons and onscreen graphics also appear in the margins of some paragraphs and in some tables. I include these to provide a quick reminder of the appearance of the button or option being discussed.

Software menu commands: In sections that cover software, a series of words connected by an arrow indicates commands that you choose from the program menus. For example, if a step tells you to "Choose File⇒Print," click the File menu to unfurl it and then click the Print command on the menu.

Camera firmware: *Firmware* is the internal software that controls many of your camera's operations. This book was written using version 1.0.9 of the firmware, which was the most current at the time of publication.

Occasionally, Canon releases firmware updates, and it's a good idea to check the Canon Web site (www.canon.com) periodically to find out whether any updates are available. (Chapter 1 tells you how to determine which firmware version your camera is running.) Firmware updates typically don't carry major feature changes — they're mostly used to solve technical glitches in existing features — but if you do download an update, be sure to read the accompanying description of what it accomplishes so that you can adapt my instructions as necessary.

About the Software Shown in This Book

Providing specific instructions for performing photo organizing and editing tasks requires that I feature specific software. In sections that cover file downloading, organizing, printing, and e-mail sharing, I selected Canon EOS Utility along with Canon ZoomBrowser EX (for Windows users) and ImageBrowser (for Mac users). These programs are part of the free software suite that ships with your camera.

Rest assured, though, that the tools used in these programs work very similarly in other programs, so you should be able to easily adapt the steps to whatever software you use. (I recommend that you read your software manual for details, of course.)

Practice, Be Patient, and Have Fun!

To wrap up this preamble, I want to stress that if you initially think that digital photography is too confusing or too technical for you, you're in very good company. *Everyone* finds this stuff a little mind-boggling at first. So take it slowly, experimenting with just one or two new camera settings or techniques at first. Then, each time you go on a photo outing, make it a point to add one or two more shooting skills to your repertoire.

I know that it’s hard to believe when you’re just starting out, but it really won’t be long before everything starts to come together. With some time, patience, and practice, you’ll soon wield your camera like a pro, dialing in the necessary settings to capture your creative vision almost instinctively.

So without further ado, I invite you to grab your camera, a cup of whatever it is you prefer to sip while you read, and start exploring the rest of this book. Your Rebel T1i/500D is the perfect partner for your photographic journey, and I thank you for allowing me, through this book, to serve as your tour guide.

Part I

Fast Track to Super Snaps

In this part . . .

Making sense of all the controls on your Rebel T1i/500D isn’t something you can do in an afternoon — heck, in a week, or maybe even a month. But that doesn’t mean that you can’t take great pictures today. By using your camera’s point-and-shoot automatic modes, you can capture terrific images with very little effort. All you do is compose the scene, and the camera takes care of almost everything else.

This part shows you how to take best advantage of your camera’s automatic features and also addresses some basic setup steps, such as adjusting the viewfinder to your eyesight and getting familiar with the camera menus, buttons, and dials. In addition, chapters in this part explain how to obtain the very best picture quality, whether you shoot in an automatic or manual mode, how to review your photos, and how to use your camera’s Live View and movie-making features.

1

Getting the Lay of the Land

In This Chapter

- Attaching and using an SLR lens
- Working with camera memory cards
- Getting acquainted with external camera controls
- Decoding viewfinder and monitor information
- Selecting options from menus
- Using the Shooting Settings and Quick Control displays
- Customizing basic camera operations

I still remember the day that I bought my first SLR film camera. I was excited to finally move up from my point-and-shoot camera, but I was a little anxious, too. My new pride and joy sported several unfamiliar buttons and dials, and the explanations in the camera manual clearly were written for someone with an engineering degree. And there was the whole business of attaching the lens to the camera, an entirely new task for me. I saved my pennies a long time for that camera — what if my inexperience caused me to damage the thing before I even shot my first pictures?

You may be feeling similarly insecure if your Rebel T1i/500D is your first SLR, although some of the buttons on the camera back may look familiar if you've previously

used a digital point-and-shoot camera. If your Rebel is both your first SLR and first digital camera, you may be doubly intimidated.

Trust me, though, that your camera isn't nearly as complicated as its exterior makes it appear. With a little practice and the help of this chapter, which introduces you to each external control, you'll quickly become as comfortable with your camera's buttons and dials as you are with the ones on your car's dashboard.

This chapter also guides you through the process of mounting and using an SLR lens, working with digital memory cards, and navigating your camera's internal menus. Finally, the end of the chapter walks you through options that enable you to customize many aspects of your camera's basic operation.

Before you start exploring this chapter, be sure that you fully charge your camera battery and then install it into the battery chamber on the bottom of the camera. I'm guessing that you already took this step, but if not and you need help, the front part of the camera manual provides details.

Getting Comfortable with Your Lens

One of the biggest differences between a point-and-shoot camera and an SLR *(single-lens reflex)* camera is the lens. With an SLR, you can swap out lenses to suit different photographic needs, going from an extreme close-up lens

to a super-long telephoto, for example. Additionally, an SLR lens has a movable focusing ring that gives you the option of focusing manually instead of relying on the camera's autofocus mechanism.

Of course, those added capabilities mean that you need a little background information to take full advantage of your lens. To that end, the next three sections explain the process of attaching, removing, and using this critical part of your camera.

Attaching a lens

Your camera can accept two categories of Canon lenses: those with an EF-S design and those with a plain-old EF design.

The EF stands for *electro focus;* the S, for *short back focus.* And no, you don't need to remember what the abbreviation stands for — just make sure that if you buy a Canon lens other than the one sold with the camera, it carries either the EF or EF-S specification. (The letters are part of the lens name; for example, the kit lens name is EF-S 18-55mm IS, with the IS standing for *image stabilization,* a feature explained later in this chapter.) If you want to buy a non-Canon lens, check the lens manufacturer's Web site to find out which lenses work with the Rebel T1i/500D.

Whatever lens you choose, follow these steps to attach it to the camera body:

1. **Remove the cap at covers the lens mount on the front of the camera.**