

Contents

Foreword	ix
Preface.	xi
Acknowledgments	xix

Part I: Come See the Fireworks

1

Chapter 1: Welcome to Fireworks MX	3
Mastering Fireworks MX—the Next-Generation Graphics Package	4
Combining the best features	4
Emphasizing vectors and incorporating bitmaps	5
Digging into screen orientation	5
Getting the most from this Internet-based program	5
Getting the Best of Both Pixels and Paths	6
Using vector tools with organic bitmaps	7
Exploring bitmap compatibility	8
Learning Live Effects	9
Focusing on styles	10
Looking at animation	11
Linking to the Web	12
Delving into hotspots and slices	12
Dissecting the URL panel	13
Evaluating images with Behaviors	13
Optimizing for the Web	14
Integrating with Dreamweaver MX	15
Stepping over to Flash MX	16
Examining Production Tools	16
Grasping batch processing	16
Using automation	17
Extending Fireworks with custom commands	18
Learning What's New in Fireworks MX	19
Looking at the user interface	19
Exploring graphics creation	19
Discovering Web connectivity	20

Chapter 2: Understanding the Interface	23
Examining the Fireworks Environment	24
Understanding the Document Window	25
Smart Maximize	28
Document window controls	28
Display options	33
Exploring the Tools Panel	34
Selecting the Proper View	39
Accessing Toolbars (Windows Only)	39
Main toolbar	40
Modify toolbar	41
Status bar	43
The Property inspector	43
Tool options	44
Stroke settings	44
Fill settings	45
Effect settings	46
Managing the Floating Panels	47
Grouping and moving panels	48
Panel Layout Sets	48
Hiding and revealing panels	49
Collapsing panels	49
Examining common features	50
Optimize panel	52
Swatches panel	53
Color Mixer panel	54
Layers panel	56
Align panel	57
Frames panel	58
History panel	59
Info panel	60
Behaviors panel	61
URL panel	62
Styles panel	63
Library panel	65
Find and Replace panel	66
Project Log panel	67
Answers panel	68
Using the Menus	69
Application menu (Mac OS X only)	69
File menu	70
Edit menu	72
View menu	74
Select menu	77
Modify menu	78
Text menu	83
Commands menu	85

Filters	86
Window menu	88
Help menu	90
Chapter 3: Customizing Your Environment	93
Setting Preferences	93
Learning general preferences	94
Understanding editing preferences	96
Learning Launch and Edit preferences	100
Examining folder preferences	101
Discovering Import preferences	102
Setting Up for Multiple Users	103
Adjusting the HTML Setup	104
Understanding general options	104
Discovering table options	105
Learning document-specific options	107
Selecting Print Options	111
Personalizing Keyboard Shortcuts	112
Changing the current shortcut set	113
Working with custom keyboard shortcuts	113
Chapter 4: Setting Up Documents	119
Creating New Documents	119
Exploring two approaches	119
Understanding the canvas options	121
Discovering the steps to create a new document	124
Opening Existing Images	125
Examining file formats	125
Opening multiple images	129
Storing Files	130
Closing a file	132
Reverting to a saved file	132
Modifying Canvases	133
Altering the canvas size	133
Trimming the canvas	139
Picking a new canvas color	139
Rotating the canvas	140

Part II: Mastering the Tools

141

Chapter 5: Creating Vector Objects 143

Understanding Vector Objects in Fireworks	143
Examining Paths	144
Applying a stroke	145
Looking at open and closed paths	145

Grasping the center point	146
Examining direction	146
Starting from Shapes	147
Examining rectangles and squares	148
Using ellipses and circles	152
Exploring polygons and stars	153
Drawing Lines and Freeform Paths	157
Making straight lines	158
Drawing with the Vector Path tool	159
Constructing Bézier Curves	161
Drawing lines with the Pen	162
Creating smooth curves with the Pen	163
Mixing lines and curves	164
Adjusting curves	165
Using the keyboard modifiers	167
Chapter 6: Working with Bitmaps	171
Understanding Bitmaps in Fireworks	171
Examining bitmap preferences	172
Opening existing bitmaps	172
Scaling bitmaps	173
Inserting a bitmap into a document	175
Inserting an empty bitmap	175
Using bitmap tools	175
Understanding the Touchup tools	187
Fireworks Technique: Limiting Your Drawing Area	196
Making Pixel Selections	197
Selecting all	197
Selecting similar	197
Selecting none	198
Selecting inverse	198
Feathering an existing selection	198
Expanding or contracting a marquee	199
Adding a border	199
Using the Smooth command	199
Saving and restoring selections	200
Converting a Vector into a Bitmap	200
Chapter 7: Managing Color	203
Working with Color on the Web	203
Examining bit depth	204
Understanding hexadecimal colors	205
Exploring Websafe colors	206
Looking at platform differences	207
Working with color management	208

Mixing Colors	209
Using the Color Mixer	209
Choosing a color	210
Accessing the color models	211
Selecting Swatches of Color	215
Choosing from the color wells	215
Using the Eyedropper	217
Accessing the system color picker(s)	217
Opting for no color	219
Using the Swatches panel	219
Accessing the Color Table	223
Fireworks Technique: Converting Pantone Colors to Websafe Colors	224
Using ColorWeb Pro for Windows	225
Using ColorWeb Pro for Macintosh	226
Chapter 8: Choosing Strokes	229
Using the Stroke Settings	229
Stroke categories and types	231
Stroke edge and size	232
Stroke texture	233
Working with the Built-in Strokes	234
Pencil	235
Basic	237
Air Brush	238
Calligraphy	239
Charcoal	240
Crayon	241
Felt Tip	242
Oil	242
Watercolor	244
Random	245
Unnatural	246
Creating New Strokes	247
Managing your strokes	247
Editing the stroke	250
Fireworks Technique: Making Dotted Lines	260
Orienting the Stroke	263
Chapter 9: Structuring Paths	267
Transforming Objects Visually	268
Using scaling	268
Examining skewing	270
Discovering distorting	271
Understanding rotating	271
Transforming Objects Numerically	273

Fireworks Technique: Creating Perspective	274
Managing Points and Paths	276
Moving points with the Subselection tool	276
Adding and removing points	277
Closing an open path	279
Working with multiple paths	280
Editing Paths	281
Redrawing a path	281
Examining the Freeform and Reshape Area tools	282
Discovering the Path Scrubber	287
Discerning path operations	289

Chapter 10: Composing with Text 297

Working with Text	297
Using the Text Editor	299
Enabling Text Editor options	301
Choosing basic font characteristics	301
Discovering paragraph spacing	303
Adjusting text spacing	303
Re-Editing Text	308
Preserving Look or Editing Text	309
Importing Text	310
Checking Your Spelling	311
Transforming Text	314
Adding strokes	314
Enhancing fills	316
Using the transform tools	317
Converting text to paths	318
Converting text to an image	318
Fireworks Technique: Cookie-Cutter Text	318
Using the Text on a Path Command	320
Fireworks Technique: Masking Images with Text	323

Part III: Achieving Effects

327

Chapter 11: Using Fills and Textures 329

Using Built-in Fills	329
Turning off an object's fill	330
Using a Solid fill	330
Using the Web Dither fill	332
Managing Gradients	335
Applying a Gradient fill	335
Altering gradients	336

Using Patterns	341
Adding new Patterns	342
Adding Patterns to a document	344
Altering Patterns	344
Fireworks Technique: Creating Seamless Patterns	346
Adding Texture to Your Fills	351
Adding new textures	353
Converting a color image to grayscale	353
Assigning an additional textures folder	354
Adding textures to a document	354
Filling with the Paint Bucket Tool	354
Chapter 12: Creating Live Effects and Filters	359
Understanding Fireworks Effects	360
Using Effects in the Property inspector	360
Applying Live Effects	361
Examining the Filters menu	363
Working with Included Live Effects	364
Adjusting color	366
Adjusting tonal range	366
Using three dimensions with Bevel and Emboss	373
Adding depth with blurring	377
Learning holdover effects	378
Examining Shadow and Glow	379
Sharpening to bring out detail	382
Fireworks Technique: Making Perspective Shadows	383
Managing Live Effects	386
Storing a customized effect	387
Grasping missing effects	388
Reading All About Filters	388
Using vector objects	389
Examining bitmap objects	389
Identifying pixel selections in a bitmap object	390
Checking out false pixel selections	390
Evaluating multiple objects	391
Using Third-Party, Photoshop-Compatible Filters	392
Installing third-party filter packages	392
Using filters with multiple applications	393
Using shortcuts (aliases) to plug-in folders	394
Exploring Alien Skin Eye Candy	394
Investigating Kai's Power Tools	399
Chapter 13: Arranging and Compositing Objects	407
Using Layers	407
Adding a layer	409
Naming a layer	409

Duplicating a layer	409
Deleting a layer	410
Changing stacking order	410
Editing layer by layer	410
Using the Selection column	411
Opening layers	411
Examining the Web Layer	414
Aligning and Distributing Objects	414
Using a theoretical rectangle	415
Aligning to the canvas	418
Looking at Layout Assistance	420
Using rulers	420
Working with guides	422
Exploring the grid	425
Grouping Objects	426
Working with Alpha Masks	428
Creating vector masks	430
Applying bitmap masks	431
Editing masks	436
Masking suggestions	439
Fireworks technique: Quick photo edges	439
Examining Opacity and Blending	441
Controlling opacity	442
Using blending modes	442
Investigating blending modes	444
Fireworks technique: Simulating a light source with blending modes	446
Fireworks Technique: Feathering Selections	448
Fireworks Technique: Applied Compositing	449

Part IV: Coordinating Workflow

455

Chapter 14: Capturing and Importing 457

Introducing Image Captures	457
Examining TWAIN-compliant devices	458
Installing Photoshop Acquire plug-ins (Macintosh only)	459
Scanning Pages	460
Examining the Scanning Process	461
Selecting a scan resolution	462
Choosing a color depth	464
Setting other options	465
Scanning directly into Fireworks	465
Looking at Digital Cameras	466
Capturing images for use in Fireworks	466
Exploring digital camcorders	468

Inserting Objects from Other Applications	468
Copying and pasting	469
Dragging and dropping	470
Importing External Files	471
Grasping bitmap image files	471
Discovering vector art files	477
Digging into text files	482
Looking at common problems	482
Rebuilding Imported Web Pages	484
Making Screen Captures	486
Exploring built-in screenshot tools	486
Delving into specialized applications	487
Opening Animations	488
Importing multiple files as a new animation	488
Importing Flash animations	489
Chapter 15: Exporting and Optimizing	493
Exploring Optimization Features	493
Optimize panel	495
Optimize panel's Color Table	496
Workspace preview	497
Frame controls	502
Exporting Indexed Color	503
Color palette	505
Number of colors	506
Matte	509
Lossy GIF compression	510
Dither	511
Transparency	511
Remove unused colors	515
Interlaced	515
Saved settings	516
Fireworks technique: Creating GIF-friendly images	516
Exporting Photographic Images	518
JPEG	520
PNG 32 and 24	525
Other formats	526
Sending Images to Other Programs	526
Integrating Fireworks with FrontPage	527
Working in the Export Preview	529
Cropping	530
Scaling exported images	532
Using the Export Wizards	533
Examining Additional Export Options	535
Exporting as CSS layers	536
Exporting for Director	538

Exporting files	539
Exporting as Image Wells	540
Exporting vectors	541
Exporting Photoshop documents	543
Chapter 16: Working with Fireworks Styles	547
Understanding Styles	548
Applying Styles	549
Creating New Styles	550
Managing Styles	552
Fireworks Technique: Isolating Patterns and Textures from Styles	555
Chapter 17: Using Symbols and Libraries	559
Understanding Symbols and Instances	559
Introducing the Library Panel	563
Making and Modifying Symbols	564
Creating a symbol	564
Modifying symbols	567
Creating Instances	569
Modifying Instances	570
Working with Buttons	571
Making and modifying Button Symbols	571
Using Button Instances	573
Instance Level Button Properties	574
Managing Libraries	575
Importing a Library	576
Exporting and sharing Libraries	578
Chapter 18: Updating and Maintaining Web Graphics	581
Using Preview in Browser	581
Managing Links with the URL Panel	585
Accessing the URL History list	586
Adding URLs to the URL Library	587
Managing URL Libraries	589
Updating Graphics with Find and Replace	591
Searching and replacing text	594
Searching with Regular Expressions	595
Altering font characteristics	599
Changing colors throughout a site	601
Snapping colors to Websafe	602
Updating URLs	603
Working with the Project Log	604
Batch Processing Graphics Files	606
Grasping the basic procedure	606
Running scriptlets	609

Chapter 19: Automating Workflow 611

Running Built-in Commands	612
Examining the Creative commands	612
Data-Driven Graphics Wizard	620
Examining the Document submenu	625
Using Panel Layout Sets	627
Storing Custom Panel Layouts	628
Using the Reset Warning dialog boxes	628
Examining the Web submenu	629
Enhancing Productivity with the History Panel	630
Using Undo and Redo	631
Building commands without coding	632
Copying steps to the clipboard	636
Managing Commands	637
Managing saved commands	638
Managing Flash commands	640

Part V: Entering the Web**643****Chapter 20: Mastering Image Maps and Slices 645**

Understanding Image Maps and Hotspots	646
Using the Hotspot Tools	647
Examining the rectangle hotspot	648
Examining the circle hotspot	649
Examining the polygon hotspot	650
Assigning links to hotspots	651
Covering an object with a hotspot	653
Exporting Image Map Code	653
Choosing an HTML style	653
Inserting image map code in a Web page	656
Understanding Slices	660
Slicing Images in Fireworks	662
Looking at rectangle slices	662
Looking at polygon slices	663
Working with slice guides	664
Copying an image to a slice	668
Setting URLs in slices	668
Exporting Slices	671
Exporting slices as different image types	671
Setting the Export options	671
Inserting slices in a Web page	672
Exporting single slices	675
Fireworks Technique: Exporting Dreamweaver Library Items	676
Fireworks Technique: Animating a Slice	678

Chapter 21: Activating Fireworks with Behaviors 683

Understanding Behaviors	683
Using the Behaviors Panel	684
Attaching Behaviors	685
Modifying a Behavior	686
Deleting a Behavior	687
Creating Rollovers	687
Examining how rollovers work	687
Learning rollover states	688
Creating rollover images	689
Applying the Simple Rollover Behavior	691
Exporting Rollovers for the Web	692
Exporting the code from Fireworks	693
Inserting rollover code in your Web page	695
Looking at Nav Bar Behavior	698
Creating a Nav Bar	698
Building buttons in the Button Editor	699
Examining Advanced Rollover Techniques	702
Making disjointed rollovers	702
Creating external rollovers	703
Working with hotspot rollovers	704
Displaying a status bar message	706
Working with Pop-up Menus	707
Using Drag-and-Drop Behaviors	714
Creating a simple rollover with drag and drop	715
Creating disjoint rollovers with drag and drop	716
Removing drag-and-drop Behaviors	718

Chapter 22: Integrating with Dreamweaver 719

Introducing Integration	719
Optimizing Images from Dreamweaver	720
Editing Images from Dreamweaver	722
Setting Fireworks as the graphics editor in Dreamweaver	723
Recognizing Design Notes in Dreamweaver	724
Modifying sliced images	725
Exporting Dreamweaver Code	726
Working with Dreamweaver Libraries	727
XHTML Support	730
Quick Export	731
Fireworks technique: Adding CSS layers to Dreamweaver	731
Working with Image Placeholders from Dreamweaver	734
Using Fireworks Behaviors in Dreamweaver	734
Fireworks Technique: Creating a Web Photo Album	737
Making Hybrid Commands	739

Part VI: Animation**743****Chapter 23: Applying Animation Techniques 745**

Understanding Web Animation	745
Getting a handle on bandwidth	746
Making a statement	746
Examining why to animate a GIF	747
Using the Fireworks Animation Toolkit	749
Managing frames	749
Animating objects	754
Using the VCR controls	757
Setting frame delay timing	757
Using Onion Skinning	759
Examining export settings and options	761
Examining Web Design with Animated GIF Images	765
Animating background images	765
Reusing animations	765
Scaling an animation	765
Using the browser's background image	766
Preloading an animation	766
Using animated rollovers	767
Slicing animations	768
Tweening Graphic Symbols	768
Fireworks technique: Tweening Filters	771
Fireworks technique: Tweening depth	772
Fireworks technique: Fading in and out	775
Using Animation Symbols	777
Creating animation symbols	777
Editing an animation symbol	779

Chapter 24: Animating Banner Ads 783

Understanding Banner Ad Basics	783
Examining size—IAB/CASIE standards	783
Looking at weight	785
Putting it in the page	785
Advertising it	785
Fireworks Technique: Creating a Banner Ad	786
Step I: Set the stage	786
Step II: Write the script	786
Step III: Create the cast of characters	787
Step IV: Direct the action	789
Step V: Leave the excess on the cutting-room floor	793
Fireworks Technique: Using Blur to Save Frames	793

Part VII: Programming with Fireworks**797****Chapter 25: Customizing Fireworks 799**

Using the HTML and JavaScript Engine	799
Examining the Configuration Folder	801
Batch Code	803
Command Panels	803
Commands	803
Extensions	804
jsextensions	804
Export Settings	804
HTML code	804
Libraries	805
Nav Menu	806
Patterns	806
Styles	806
Textures	807
URL Libraries	807
Plug-Ins	807
Looking at the Fireworks MX Preferences File	808

Chapter 26: Building Fireworks Extensions 811

Building a User Interface in Flash	812
Executing Fireworks functions	812
Finishing a command	814
Integrating Flash input	814
Debugging Flash commands	814
Storing Commands and Commands panels	816
Fireworks API Overview	817
Examining Nonstandard Data Types	817
Colors	817
File URLs	818
Masks	818
Matrices	819
Points	819
Rectangles	819
Resolution	819
Looking at Global Methods	820
alert(message)	820
confirm(message)	820
fw.yesNoDialog(text)	821
prompt(caption, text)	821
WRITE_HTML(arg1[, arg2, . . . , argN])	822
write(arg1[, arg2, . . . , argN])	823

Exploring the Fireworks Global Object	823
fw	823
Document	829
Errors	838
Find	839
Files	843
Dissecting Hotspot Objects	846
exportDoc	847
Image maps	849
Behaviors	851
Looking at Slice Objects	853
SliceInfo object	853
Slices object	856
Accessing the Fireworks API	858
Document functions	858
Fireworks functions	859
History panel functions	860

Part VIII: Appendixes 863

Appendix A: A Web Primer	865
Appendix B: Keyboard Shortcuts	889
Appendix C: What's on the CD-ROM	909
Index	915
End-User License Agreement	967