Index

Symbols

4K Still Image Playback menu option 268
24p video formats 362
60i and 60p video formats 361

A

AC adapter
  Sony model AC-PW20 443
Access lamp
  behavior with continuous shooting 112
Access Point Settings menu option 396, 420–421
Add-on lenses and converters 445
Adobe Camera Raw software 169, 431
Adobe Lightroom software 165
Adobe Photoshop Elements software 431
Adobe Photoshop software 165, 169, 431
  using to create HDR images 164
Adobe Premiere Pro software 391
Adobe RGB color space 205
AEL button
  assigning a function to 314
  using to enlarge images in playback mode 244, 254
  using to test flash in Wireless mode 126, 244
AEL Hold option 317
AEL Toggle option 318
AEL w/Shutter menu option 110, 111, 302
AF Illuminator menu option 136, 226
AF Illuminator/Self-timer Lamp 226
AF/MF Control Hold option 319
AF/MF Control Toggle option 225, 320
Airplane mode menu option 393, 418
Anti Motion Blur setting 81
Aperture

available settings 57, 226
effect on depth of field 55–57
range of settings in Program mode 53
Aperture click switch 58, 227
using to silence aperture ring for movie recording 227, 368, 385
Aperture Priority mode 55–59
limitation on shutter speed settings 59
using to control depth of field 55–57
Aperture ring 226
Area Setting menu option 346
Aspect ratio
relationship to resolution 98
Aspect Ratio menu option 104–108
availability of 104
Astrophotography 434–436
Audio Level Display menu option 280, 375
Audio Out Timing menu option 376
Audio Recording Level menu option 207, 375
Audio Recording menu option 207, 281, 374
Audio Signals menu option 333
Autoexposure lock 317–318
Autoflash menu option 120
availability of 121
Autofocus
switching quickly to and from manual focus 319
Auto ISO setting
setting minimum and maximum values for 139–140
using in Manual exposure mode 66
Auto Mode menu option 50, 52, 204
Auto Object Framing menu option 202–203
Auto Review menu option 43, 251, 281
Auto Slow Shutter menu option 206, 365, 368, 373
Autumn Leaves Creative Style setting 173
AVCHD format 359
locating files on computer 359

B

Battery
generic replacement 442
Sony model NP-FW50 6
charging 6–8
time for full charge 8
Battery charger

for charging batteries outside camera 442
Sony model AC-UB10D 8
Battery compartment door
flap for AC adapter cord 250
Blurring background 57
Bokeh 57
Bracketing
incompatibility with Intelligent Auto mode 118
Bracket Order menu option 117, 119, 304
Built-in flash unit 216
BULB setting for shutter speed 66, 447
B/W (Black and White) Creative Style setting 173

C

Cable release 210, 447
using for BULB exposures 66
Camera controls: illustrations
back of camera 21, 228
bottom of camera 26, 250
front of camera 22, 217
LCD screen 246
left side of camera 24, 248
right side of camera 25, 249
top of camera 19–20
top of camera - left side 215
top of camera - right side 209
Cases
Lowepro Apex 110 AW 442
Lowepro Inverse 100 AW waist pack 441
Lowepro Slingshot 200 AW 441
Sony LCJ-RXE 440
Tamrac 514 442
Tamrac Zuma 4 442
Think Tank Mirrorless Mover 10 442
Center button 240–241
assigning an item to 322–323
assigning Standard functions to 322
using to activate Flexible Spot focus frame for moving 135, 241, 323
using to activate focus tracking with Lock-on AF option 195–196, 241, 323
using to magnify image in manual focus mode 192, 223, 240
using to play a video 241
using to scroll a panoramic image 242
Center option for Focus Area 131–132

Clear Creative Style setting 172
Clear Image Zoom 295, 296–300
Closeup shooting 74–75
Color Space menu option 205
Color Temperature/Filter option for White Balance 151
Compression of images 104–105
Constant-aperture zoom lens 59
Continuous autofocus mode 32, 219–220
Continuous shooting
  incompatibility with other settings 112
  using in Intelligent Auto mode 39
Continuous Shooting menu option 109–110
  automatic exposure adjustment with 110, 303
  rate of shooting 110
  using autofocus with 110
  using with flash 110
Contrast
  adjusting 166–167
Control dial 244–245
  represented by icon on display 244
  using to activate Program Shift 244
  using to move through movies 245
  using to select Scene mode setting 72, 204, 244
  using to select sub-settings 244
  using to set panorama direction 84, 244
  using to set shutter speed 244
  using to zoom images in playback mode 245, 255
Control wheel 239
  assigning a function to 240, 312–313
Control with Smartphone menu option 408, 418
Creative Style menu option 164–174
  adjusting contrast, saturation, and sharpness 166
  charts with comparison images 170–171
  contrasted with Scene mode settings 174
  descriptions of settings 172–174
  effect of Raw format 168
  incompatibility with other settings 168
  making settings 165
  saving custom settings 168
  seeing effects of settings on display 165
CTRL for HDMI menu option 341
Custom button 211
  assigning an item to 322
Custom Key Settings menu option 135, 240, 311–324

Center Button sub-option 241
Standard setting 241
Custom menu
in general 273
Custom White Balance
procedure for setting 152–154

D

Date
imprinting on images in shooting mode 307
Date and time
setting 16, 345
Date Imprint option 272
Date/Time Setup menu option 16, 345
Daylight Saving Time
adjusting for 17, 346
Deactivate Monitor option 321
Deep Creative Style setting 172
Delete Confirmation menu option 336
Delete menu option 260–261
Deleting images
using Delete menu option 260–261
using Trash button 258
Demo Mode menu option 340
Depth of field
controlling with aperture setting 55–57
Dial/Wheel Lock menu option 236, 328–329
Diffraction effect 53, 59, 63
Digiscoping 436
Digital Zoom 295, 296–300
Diopter adjustment wheel 245
Direction buttons
in general 242
Display button 243
using to cycle through display screens 287
Display Button menu option 282–287
Display MAC Address menu option 423
Display Media Info menu option 353
Display panel 214
Display panel illumination button 214
Display Quality menu option 337
Display Rotation menu option 264
Display screens

playback mode 255–258
shooting mode 282–287
selecting with Display Button menu option 286
video recording 388
DMF (direct manual focus) 33, 221
using with MF Assist option 276
Dotted frame on screen
meaning of 300
Down button
assigning an item to 324
using to open movie control panel 242
using to open movie volume control 242
DPOF (Digital Print Order Format) option 270–271
Drive Mode menu option 108–119
using in Intelligent Auto mode 39
DRO/Auto HDR menu option 157–164
incompatibility with other settings 164
DRO Bracket menu option 119
Dynamic range 157
optimizing using Raw format 164

E

Edit Device Name menu option 422
Enlarge Image menu option 268
Exposure Bracketing - Continuous menu option 115–116
order of exposures 117
using exposure compensation with 117
using flash with 117
using for HDR photography 116
Exposure Bracketing - Single menu option 117
Exposure compensation 212–214
controlling behavior as to flash and ambient light 214, 303
seeing effect on display 213
unavailability in some shooting modes 214
using for panoramas 85
using in Manual exposure mode 214
Exposure compensation dial 212–214
Exposure Compensation Setting menu option 214, 303
Exposure Settings Guide menu option 61, 289
External flash units
Canon 430EX II 451
Fujifilm EF-20 451
Sony HVL-F20M 126, 448, 453

Sony HVL-F43M 126, 449, 453
Sony HVL-F60M 127, 450
using with Sony flash shoe adapter 450
Yongnuo YN560 III 451
Zeikos Digital Slave Flash 451
External LCD monitor
Sony model CLM-V55 454
Eye AF option 320
Eye-Fi card
menu option for enabling use 333
using in RX10 camera 12–13
Eye sensor 245

F

Face detection 34
registered faces 198, 305
Face Registration menu option 198, 305
File Format menu option 358–359
File Number menu option 349
Fill-flash menu option 121
availability of 122
Filters
Hoya R72 infrared 437
using with RX10 444
Finder Color Temperature menu option 332
Finder/Monitor menu option 246, 301, 322
Firmware
upgrades 354
viewing current version 354
Flash
general options for using 35–38
incompatibility with other settings 37, 54
using for continuous shooting 110
Flash Compensation menu option 128
incompatibility with other settings 129
using with Fill-flash 128
Flashing aperture value
indication that good exposure not possible 62
Flashing shutter speed
indication that good exposure not possible 59
Flash Mode menu option 36, 119–127
Flash Off menu option 120
Flash pop-up button 36, 211

Flexible Spot option for Focus Area 133–136
  changing size of frame 133
  moving frame around display 134
  returning frame quickly to center of display 135
Focal length of lens of RX10 227
Focus Area menu option 130–136, 218
  disabled when lens zoomed beyond optical zoom range 300
Focus distance of lens 75, 427
Focus frame
  contrasted with Spot metering circle 147
  dotted frame when lens zoomed past optical zoom range 300
Focus lock 219
Focus Magnification Time menu option 224, 277
Focus Magnifier menu option 191–192, 222
  assigning to control button 193
Focus options
  in general 31–33
Focus switch 32, 217
Focus tracking 323
  using Lock-on AF menu option 195–197
Folder
  selecting for image and video storage 349
Folder Name menu option 351
Format command 15, 347
Format menu option 347
For Viewfinder display screen 233, 286
Function button 230–236
  using to display Function menu 308
  using to display Quick Navi screen 286
  using to lock controls 236, 328–329
  using to send images to smartphone 236, 402
Function menu 230–233
  assigning items to 308–311
  making selections 231–232
  using during movie recording 383
  using to select Scene mode setting 71
Function Menu Settings menu option 52, 308–311

G

Grid Line menu option 278–279

H

Hand-held Twilight setting 78–79

compared to Anti Motion Blur setting 81
HDMI Information Display menu option 341
HDMI port 249
HDMI Resolution menu option 341
HDR (high dynamic range) photography 67, 157
using HDR software 163
using in-camera HDR option 160–162
HDR Painting Picture Effect setting 185–186
Headphones port 249
Help screens
displaying for menu options 237–238
High Contrast Monochrome Picture Effect setting 184
High ISO Noise Reduction menu option 195
incompatibility with Raw format 195
Histogram
playback mode 256–258
not available for movies 388
shooting mode 258, 284
using to check exposure 214

I

Illustration Picture Effect setting 190
Image Data Converter software 164, 165, 169, 431
installing 5
using to process Raw files 105
Image Index menu option 263
Image Size menu option 97–100
unavailability with Raw format 100
using with Raw & JPEG Quality option 100
In-Camera Guide/Delete Button 237–239
Infrared photography 437
Intelligent Auto mode 46–49
limitations on settings in 48
scene recognition feature 48–49
steps and settings for basic photography 26–30
IRE units 275
ISO 136–142
available range for movie recording 380
base value 142
effect on image quality 137–138
in general 136–138
limitations on settings 142
procedure for setting 138–140

setting value to 25600 140
iTunes
converting movies with 460

J

JPEG files
in general 104

L

Landscape Creative Style setting 173
Landscape setting 76
Language
setting 17, 344
Language menu option 344
LCD screen
ability to tilt up and down 246–247
adjusting brightness 330–331
turning off 321
Left button
assigning an item to 324
Level
displaying in shooting mode 285
Light Creative Style setting 172
Limiter for audio recording 376
Live View Display menu option 62, 65, 165, 213, 290–293
unavailability with some shooting modes 293, 388
using with flash in Manual exposure mode 291, 451
Locking exposure 317–318
Locking images against deletion 269
Lock-on AF menu option 195–197, 323
Start w/Shutter setting 195
Long Exposure Noise Reduction menu option 194
incompatibility with other settings 194

M

MAC address 423
Macro photography 424–427
Macro setting 74–75, 425
Manual exposure mode 63–68
limitations on shutter speed settings 65
procedure for making settings 63–66
range of available aperture settings 65

using to take images for HDR photography 67, 164
Manual focus 33, 226–230
situations for using 222
switching quickly to and from autofocus 319
using for closeup photography 75
Manual Shift 67
Memory card
capacity for storing images and video 11, 99–100
display of current capacity 353
considerations for selecting 10–11
formatting for first use 14–15, 347
inserting into camera 13
need to use for storing images 8
speed of 11
types of 9–13
Memory menu option 90–91, 207
Memory Recall mode 92–95, 207
settings that can be stored 92
settings that cannot be stored 92
Memory Stick card 10
compatibility with card readers 13
Menu button 230
using to wake up camera 230, 338
Menu system
navigating in 94–96
Metering Mode menu option 145–147
limitations on settings 147
MF Assist menu option 223, 276
compared to Focus Magnifier menu option 192
not available for movie recording 388
using with DMF 221, 276
Microphone
built into camera 216
external
Rode VideoMic Pro 458
Sony ECM-XYST1M 456
Sony model ECM-CG50 458
Sony XLR-K1M adapter kit 456–457
Microphone port 249
Micro-SD card 9
Miniature Picture Effect setting 188–189
M.M. (metered manual) indicator
does not function when ISO set to Auto 317
Mode dial 215

Mode Dial Guide menu option 335
Monitor Brightness menu option 330–331
Movie button 229
  limiting operation to Movie mode 229, 327–328
Movie Button menu option 215, 229, 327–328
Movie exposure modes
  Aperture Priority 366–367
  in general 364
  Manual Exposure 369–370
  Program Auto 365–366
  Shutter Priority 368–369
Movie menu option 204, 364–371
Movie mode
  inability to take still images in 215
Movie recording
  adjusting audio input level 375
  available focus modes 382
  day for night effect 371
  effects of mode dial position 378
  effects of physical controls 382–385
  effects of Shooting menu settings 379–381
  fadeout in camera 367, 369, 370
  fade to white in camera 370
  file formats 358–359
  general overview 356
  general procedure in Intelligent Auto mode 40–42
  list of available functions for control buttons 384
  range of available shutter speeds 365, 368, 370
  time limits for recordings 42, 363
  using slow shutter speed 368, 374
Movies
  changing playback volume 45
  editing on computer 45
  locating files on computer 392
  playback procedures 44–45, 389–391
    fast-forward and fast-reverse 240, 245
MP4 file format 360, 362
Multi Frame Noise Reduction option 140–142
Multi Interface Shoe 216
  using microphone with 456
  using with Sony flash shoe adapter ADP-MAA 450
Multi port 249

N

ND Filter menu option 142–144
  reasons for using 143
Neutral Creative Style setting 172
New Folder menu option 350
NFC active area on camera 250, 404
NFC (near field communication) 250, 403–406
  turning off with Airplane Mode option 418
Night Portrait setting 80
Night Scene Creative Style setting 173
Night Scene setting 78
NO CARD error message 8
NTSC video system 26, 339, 360

O

Optical zoom 294

P

PAL/NTSC Selector menu option 339, 361
PAL video system 26, 339, 360
Panorama
  creating larger size than usual 85
  resolution of images 84
Panorama direction
  setting with Control dial 84
Panoramas
  playing in camera 87
  suggested settings for 85
  using exposure compensation with 85
Partial Color Picture Effect setting 183
  adjusting color tolerance 183
Peaking Color menu option 225, 289, 435
Peaking Level menu option 221, 224, 287–288, 435
  using with DMF 221, 289
Photomatix Pro software
  using to create HDR images 164
PictBridge printing protocol 272
Picture Effect menu option 174–191
  charts of comparison images 177–178
  compatibility with movie recording 191
  incompatibility with other settings 175, 191
  making settings 175

turning off 179
Playback button 228, 251
using to wake up camera 228, 338
Playback menu
in general 259
Playback of images and movies
adjusting volume 333
calendar display 253
connecting to HDTV with HDMI cable 438
display screens in playback mode 255–258
enlarging images on display 254, 268
general procedures 42–44, 251
panoramas 87, 242
rapid review of images 252
viewing by image or video type 254, 262–263
viewing index screens 252–253, 263
PlayMemories Home software 391, 394, 416
installing 5
PlayMemories Mobile app 400, 402, 403, 406, 407, 410
Pole aerial photography 413
Pop Color Picture Effect setting 180
Portrait Creative Style setting 172
Portrait setting 73
Posterization Picture Effect setting 181
Power Save Start Time menu option 338
Power switch 211
Pre-AF menu option 220, 293
Printing images directly from camera 270–271
Program mode 52–55
limitation on aperture settings 53
limitation on shutter speed settings 53
Program Shift 53–55
Protect menu option 269

Q

Quality menu option 104–106
Quick Navi system 233–236, 286

R

Radio trigger for external flash 451
Raw format
adjusting settings in software 155, 428–429
advantages and disadvantages 105–106, 428–429

considerations for using 105–106
effect on Creative Style settings 168
incompatibility with other settings 79, 82, 106, 164, 175
in general 428–430
Raw & JPEG setting for Quality 106
Raynox 0.3x Semi-Fisheye lens 445
Rear Sync menu option 123–125
availability of 125
Record Setting menu option 360–362
Recover Image Database menu option 352
Red Eye Reduction menu option 129
Registered faces
changing order of 306
deleting 306
Remote control
Sony model RM-VPR1 446
using for BULB exposures 66
Reset Network Settings menu option 424
Resetting menu options 355
Resolution
importance of 97
Retro Photo Picture Effect setting 182
Rich-tone Monochrome Picture Effect setting 187
Right button
assigning an item to 324
Rotate menu option 267
Rotating images 264, 267

S

Saturation
adjusting 166–167
Scene mode 68–82
limitations on menu settings 69
procedure for selecting a scene setting 70–72, 204
Scene recognition
in Intelligent Auto mode 48–49
Scene Selection menu option 204
SD card 9
SDHC card 9
compatibility with computers 12
SDXC card 9
compatibility with computers 12
Sekonic Prodigi color meter 151

Select REC Folder menu option 349
Self-time menu option 113–114
Self-timer
  incompatibility with continuous autofocus 114
  taking multiple shots with 114
  using for macro photography 427
  using in Intelligent Auto mode 39
Self-timer (Continuous) menu option 114
Send to Computer menu option 398, 416
Send to Smartphone menu option 400, 416
Sensor plane indicator 217
Sepia Creative Style setting 174
Setting Reset menu option 355
Setup menu
  in general 329
Sharpness
  adjusting 166–167
Shooting menu
  in general 93–96
  options that affect video recording 358–378
Shooting modes
  list of 46
Shoot Mode option
  assigning to Function menu 204, 205
Shutter button 210
  using to wake up camera 338
Shutter Priority mode 60–63
  limitation on aperture settings 63
  range of shutter speed settings available 60
Shutter speed
  BULB setting 66
  procedure for setting 61–62
  settings available in Aperture Priority mode 59
  settings available in Manual exposure mode 65
  settings available in Program mode 53
  settings available in Shutter Priority mode 60
  using to affect appearance of images 60–61
Silhouette
  procedure for making 68
Single shooting menu option 109
Single-shot autofocus mode 32, 218
Slide Show menu option 266–267
Slow Sync flash mode 80
Slow Sync menu option 122–123

Smart Teleconverter option 321
Smart Zoom 295, 298
Smile/Face Detection menu option 197–200
Smile Shutter option 199
Softbox for flash 452
Soft Focus Picture Effect setting 184
Soft High-key Picture Effect setting 182
Soft Skin Effect menu option 200
Sony Cyber-shot DSC-RX10
  items included with 5
  positive features of 1–2
  weaknesses of 2
Sounds of camera
  silencing 333
Specify Printing menu option 270–271
Speed Priority Continuous Shooting option 111–112
  automatic exposure adjustment with 111
  effect of Quality setting on speed 111
  lack of autofocus adjustment 111
  rate of shooting 111–112
Sports Action setting 73
  continuous shooting with 113
Spot AEL Hold option 318
Spot AEL Toggle option 319
Spot metering
  identification of metering circle on screen 146
sRGB color space 205
SSID/PW Reset menu option 423
SSID (service set identifier) 420
Standard Creative Style setting 172
SteadyShot (Movies) menu option 205, 371–372
  cropping of movie frame with Active setting 372
SteadyShot (Still Images) menu option 205
Step zoom 325–326
  not available with Clear Image or Digital Zoom 326
  unavailable when recording movies 325, 388
Street photography 431–433
Sunset Creative Style setting 173
Sunset setting (Scene mode) 76–77
Superior Auto mode 50–52, 204
Sweep Panorama mode 82–88
  limitations on menu options 83

T

Tables
  images that fit on 8 GB memory card 99
  Shooting menu items that affect movies 380
  suggested control assignments for video recording 386
  suggested setting for movies in Intelligent Auto mode 41
  suggested settings for Intelligent Auto mode 33
  suggested settings for movie recording 387
  suggested settings for panoramas 85
  zoom ranges at various image sizes 299
Telescope
  connecting to camera 434
Tile Menu option 94, 334
Time-lapse photography 414
Toy Camera Picture Effect setting 179
Trash button 237–239
  using to delete images 238, 258, 336
  using to return Flexible Spot frame to center of display 135, 239
Tripod socket 250
Tv
  indicator used to stand for shutter speed 62

U

Upload Settings menu option 333
USB cable
  using to charge battery 6
USB Connection menu option 343
USB LUN Settings menu option 344

V

Version menu option 354
VGA format for video recording 363
VGA setting for Image Size
  requirement of 4:3 aspect ratio 99, 102
Video light
  Sony model HVL-LE1 453
Video recording. *See* Movie recording
Viewfinder
  adjusting brightness 332
  adjusting color temperature 332
  switching to and from LCD screen 246, 301
Viewfinder Brightness menu option 332

VIEW icon on screen
  when Setting Effect Off is selected 292
View Mode menu option 254, 262–263
View on TV menu option 416
Vivid Creative Style setting 172
Volume Settings menu option 333

W

Watercolor Picture Effect setting 189
White Balance
  adjusting with color axes 154–155
  adjusting with Raw processing software 155
  chart of images showing settings 156
  using “incorrect” settings purposely 155
White Balance Bracket menu option 118
White Balance menu option 148–156
  in general 148
  limitations on settings 155
  making settings 149–153
Wide option for Focus Area 130
Wi-Fi features of RX10
  connecting with NFC 403–407, 412
  disabling with Airplane Mode menu option 393, 418
  sending images to computer 393–399
  sending images to smartphone 399–403
  using smartphone as remote control 407–414, 445
Wi-Fi menu
  in general 415
Wind Noise Reduction menu option 377
Wireless Auto Import software 394, 416
Wireless (flash) menu option 125–127
WPS button on router 395, 419
WPS Push menu option 395, 419
Write Date menu option 307

Z

Zebra menu option 274–275
Zone focusing 319
Zoom/focus ring 227
  limited to focusing in DMF and manual focus modes 222, 226, 228
  using for step zoom 325
  using to zoom lens 228
Zoom Function on Ring menu option 324–325

Zoom lever 210
using to enlarge images and display index screens 210, 254
using to zoom the lens 210
Zoom Setting menu option 294–300