

SONY

DSC-R1

Usage Guide



Introduction

This Usage Guide is meant to highlight some of the features of the Sony DSC-R1 in a easy-to-find format. Any page numbers referenced are located in Sony's User's Guide that was included with your camera.

The R1 represents a high quality, 10 megapixel digital camera that should meet all of our needs in the field. We've tested many cameras that fall into the performance range of the R1 and concluded that it best fits our current needs for field research photography.

If you should have any questions concerning settings or other operational features of the R1, please don't hesitate to contact your manager.

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Knobs, Buttons and Wheels (Getting to Know the R1)



Main Command Dial

Main Command Dial

The **Main Command Dial**, located on the back of the camera, behind the Advanced Accessory Shoe, is one of the most important exterior features of the camera. Any setting changes that relate to the **Mode Dial** are made by rotating the **Main Command Dial**. The **Main Command Dial** is also used to adjust settings for the Flash, White Balance, Metering, and ISO.



Focus Switch

Mode Dial

Mode Dial (p. 29)

The **Mode Dial** allows the user to change between shooting modes.

Focus Switch (p. 48)

Used to switch between Manual Focus and Auto Focus.



Electronic Viewfinder (EVF)

Similar to SLR 35mm film cameras, the **EVF** allows the user to frame the shot through-the-lens, except a small color LCD screen is used to display the image and additional information. Playback and menu controls are also viewable through the EVF.

The R1 has additional functionality with an auto sensing **EVF** that will switch between the main **LCD Screen** and **EVF** when the user's eye approaches the EVF. **For battery-conscious users, the auto sensing feature should be turned off.**

Display Mode Switch

The **Display Mode Switch** allows the user to choose where the image will be displayed - through the **EVF**, **LCD Monitor** or automatically switching between the two.

Playback Button

Used to view previous images already saved to the memory card.

AE Lock Button/Delete Button (p. 43)

Used to lock exposure while photographing. Used to delete images from the memory card when in Playback Mode

Compact Flash Compartment

Houses the Compact Flash or Memory Stick memory card.

Multi-Selector/Sub-Command Dial (p. 28, 31)

Also known as The Joystick/The Wheel. Used to navigate through menu selections and control playback options. Pushing the Multi-Selector down is used as an "Enter" key.

Screen Status Button (p. 22)

The **Screen Status Button** allows the user to change the information displayed on screen, including a display a Real-Time Histogram of the image.

Menu Button (p. 31)

Used to access menu options specific to the different operation modes. To access shooting options, select the Shooting Mode prior to pressing the Menu Button. To access playback options, press the Playback Button prior to pressing the Menu Button.

Metering Button/Auto-Bracketing Button (p. 40, 44, 58)

Used in conjunction with the Main Command Dial these buttons allow the user to select alternate metering options or turn the auto-bracketing on or off. These options are not available for all shooting modes.



Zooming Ring (p. 71)

Twisting the **Zooming Ring** allows the user to change the focal length of the camera's lens system between 24mm to 120mm (135mm equivalent).

Manual Focus Ring (p. 48)

When the camera is engaged in Manual Focus Mode, turning this ring will focus the camera.

Shutter Button

Depressing the shutter button halfway will engage the camera's autofocus and exposure systems. Holding the button at halfway will freeze the focus and exposure settings. Pressing the button completely will snap a photo.

Lens Hood (p. 18)

Using the Lens Hood during bright lighting conditions can reduce image quality deterioration caused by unnecessary light.

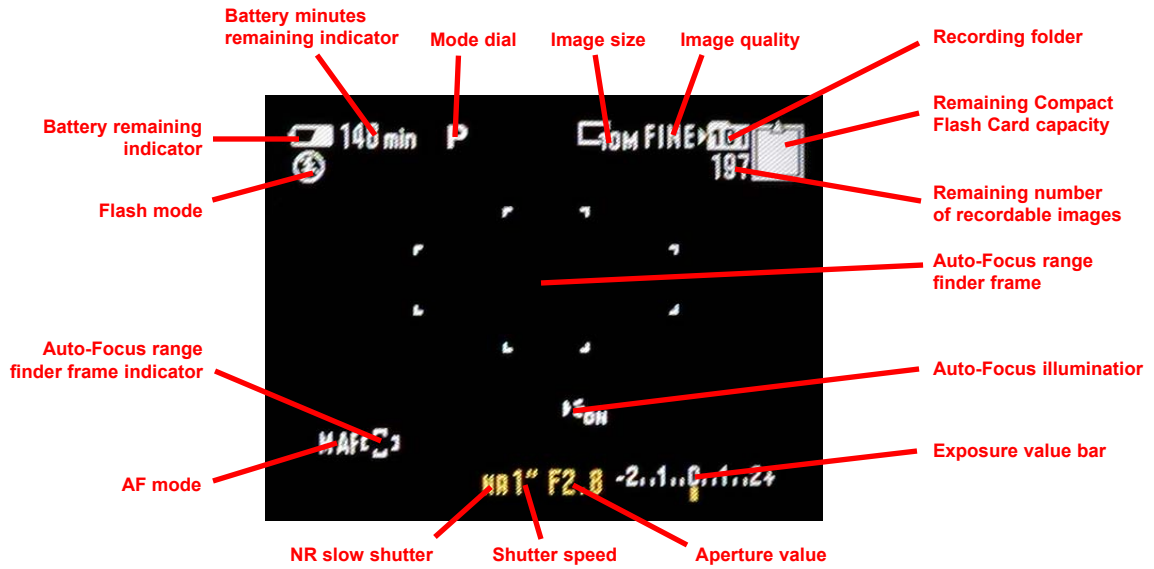
ISO Button (p. 45)

This button, when used with the Main Command Dial, allows the user to choose a luminous sensitivity with units of ISO.

Advanced Accessory Shoe (p. 52)

The Advanced Accessory Shoe allows the user to attach various add-on accessories such as an External Flash.

Display Information

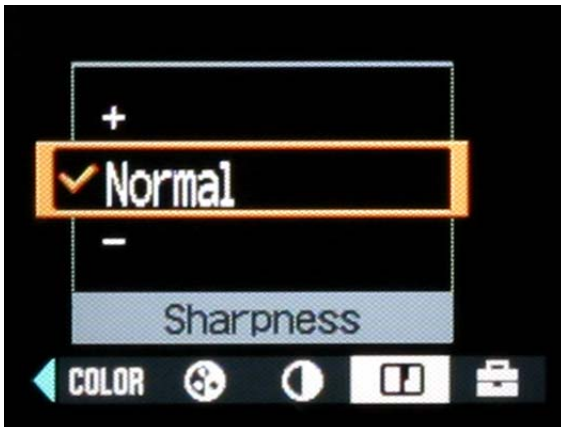


Menu Settings (Recording)



Using the Multi-Selector, the user can access the Setup Menus by rocking the Multi-Selector to the right.

Rocking the Multi-Selector to the left will allow the user to set parameters for several image recording settings and options.

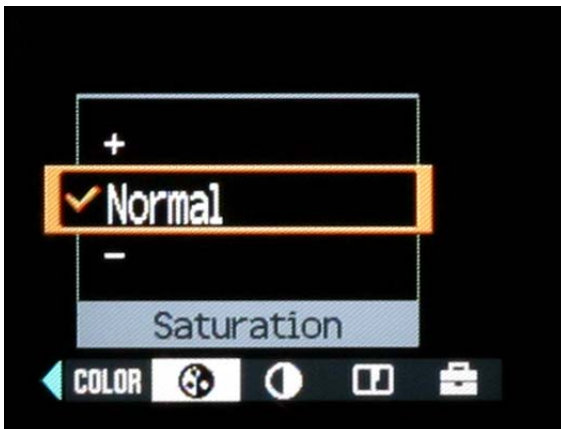


Sharpness should be set to **Normal**.

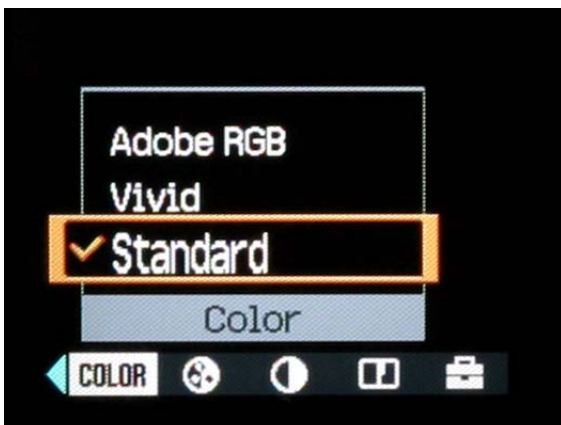
Menu Settings (Recording)



Contrast should be set to **Normal**.



Saturation should be set to **Normal**.

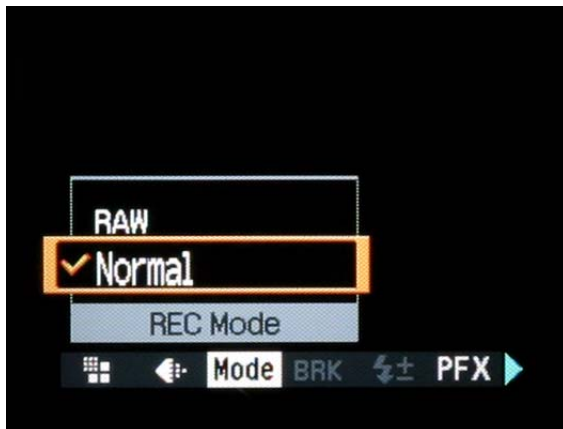


Color should be set to **Standard**.

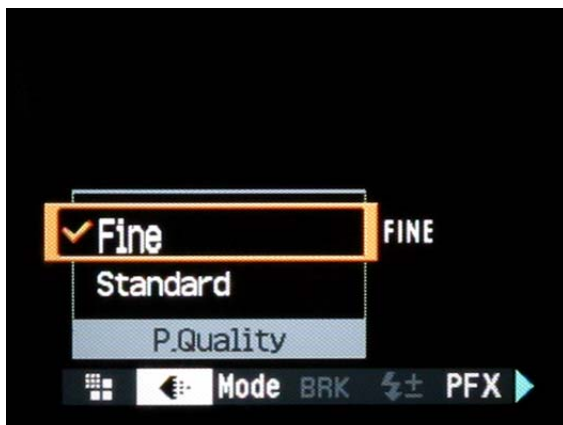
Menu Settings (Recording)



Picture Effects should be turned **Off**.



Recording Mode should be set to **Normal**.



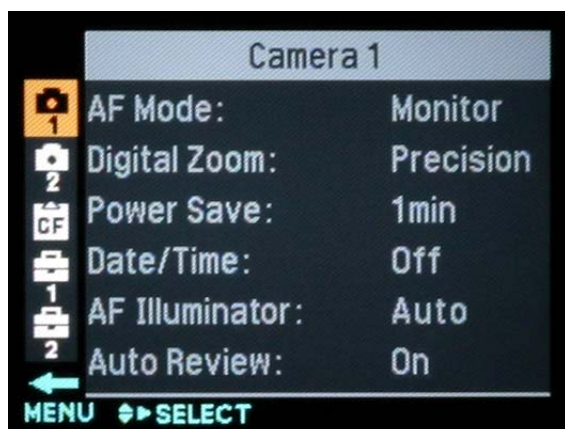
Picture Quality should be set to **Fine**.

Menu Settings (Recording)



Image Size should be set to **10M**.

Menu Settings (Setup)



Camera 1 Menu

AF Mode: Monitor

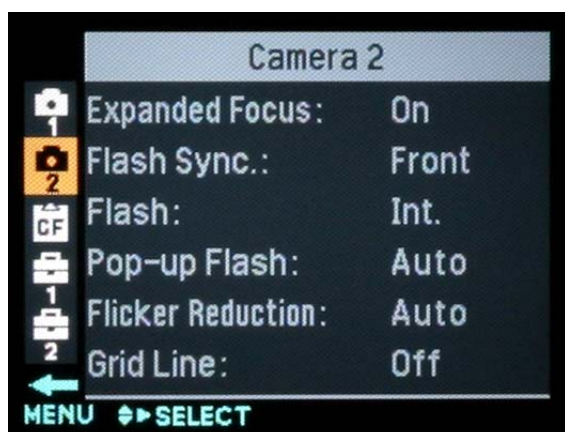
Digital Zoom: Precision

Power Save: 1min

Date/Time: **Off**

AF Illuminator: Auto

Auto Review: **On**



Camera 2 Menu

Expanded Focus: On

Flash Sync: Front

Flash: Int.

Pop-up Flash: Auto

Flicker Reduction: Auto

Grid Line: Off

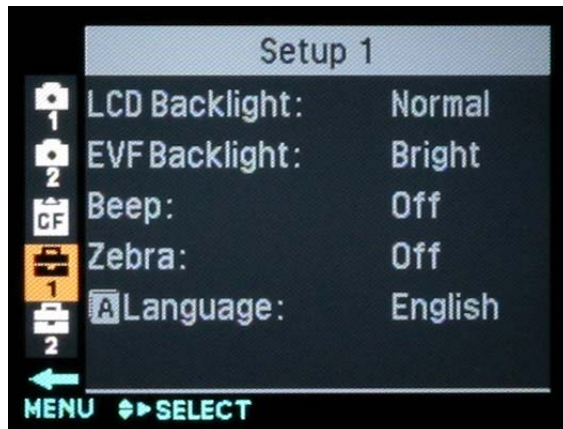
Menu Settings (Setup)

**CF Card Tool Menu**

Format: OK

Create REC Folder: OK

Change REC Folder

**Setup 1 Menu**

LCD Backlight: Normal

EVF Backlight: Bright

Beep: Off

Zebra: Off

Language: English

**Setup 2 Menu**

File Number: Series

USB Connect: Auto

Video Out: NTSC

Clock Set

Features at a glance

Imaging Device:	1/1.6" 10.3 (effective) CMOS Sensor; 21.5 x 14.4 mm effective; RGB primary color filter
Chipset:	Real Imaging Processor™ LSI with Advanced Gradation Control System (AGCS)
Recording Media:	Memory Stick®/Memory Stick PRO™ media; CompactFlash™ Type I/ CompactFlash Type II / Microdrive™ media
Lens Type:	Carl Zeiss, Vario Sonnar T*; 12 elements in 10 groups (4 aspherical)
Zoom:	5x Optical (Mechanical Manual); 10x Precision Digital Zoom, Smart Zoom Feature: 1-15.0X (at 1 Megapixel Resolution)
Filter Diameter:	67 mm filter diameter
Focal Length:	14.3 mm-71.5 mm
35mm Conversion:	24 mm-120 mm
Aperture:	F2.4-4.8 (minimum F16)
Aperture Range:	16-step F2.8~16.0
Focus:	5 Area Multi-Point AF, Center AF, Flexible Spot, Manual Focus select Focal Distance: Macro Mode: WIDE: 1-3/8"-infinity (35 mm-infinity); TELE: 1-6/8"-infinity (40 mm-infinity)
Focal Length:	Minimum Focal Distance: 19.7" (50cm), Macro: 13.7" (35 cm)
Shutter Speed:	49-step 30 ~ 1/2000 sec, with Bulb (up to 3 minutes)
Exposure:	Manual Exposure: Yes, w/EV indicator
EV Compensation:	±2.0 EV, 1/3 EV Steps
ISO:	Auto/160/200/400/800/1600/3200
LCD:	2.0-inch TFT (134k pixels) Free Angle LCD (Upward 85 degrees, Downward 20 degrees, Right/Left 90 degrees), Eye-Level Finder: 0.44 inches (235k pixels); 100% coverage; Eye sensor
Display:	Histogram: Yes, Live, RGB Playback
Microphone/Speaker:	No/ Yes (Dynamic)
Red-Eye Reduction:	Yes: On/ Off
White Balance:	Auto, Daylight, Cloudy, Fluorescent, Incandescent, Flash, One Push (White Balance Adjustment: -3/+3 IRE, by step)
Burst Mode:	3-shot, 3fps, 10MP
Picture Effects:	Sepia, Black & White
Scene Modes:	Twilight, Twilight Portrait, Portrait, Landscape
Self Timer:	Yes, 10 Seconds
Still Image Mode(s):	Normal (JPEG Fine/Standard), High-speed Burst (JPEG), RAW (.SR2)
Memory Stick PRO™ Media Compatibility:	Tested to support up to 4GB media capacity; does not support Access Control security function
Flash Modes:	Auto, Forced Flash, No Flash, Slow Synchro, Rear Syncro
Flash Effective Range:	WIDE 1'8"-12'10" (0.5-3.9 m); TELE: 1'8"-7'10" (0.5-2.4 m)
Output(s):	Video: Yes, NTSC/PAL Selectable USB Port(s): Yes, Supports USB 2.02
Battery Type:	NP-FM50 InfoLithium® rechargeable battery
Battery Capacity:	CIPA standard: approx. 500 pictures with supplied NP-FM50 InfoLithium® battery 3
Supplied Software:	Picture Package™ for Sony v1.6 (Windows), Pixela™ ImageMixer VCD2 (Macintosh), Sony Image Data Converter SRF Ver. 1.0 (Windows & Macintosh), USB Driver
Operating System Compatibility:	Microsoft® Windows® 98, 98SE, 2000 Professional, ME, XP Home and Professional; Macintosh® OS X (v 10.1.5 or later). OS must be installed at the factory.
Limited Warranty:	1 Year Parts & Labor
Weight:	2lbs 2 oz (926 g) body; 2 lbs., 6 oz. (1047 g) including battery and Memory Stick media
Dimensions (WHD):	(WHD) 5 1/2" x 3 7/8" x 6 1/8" (139.4 x 97.7 x 156 mm)
Supplied Accessories:	NP-FM50 InfoLithium, Battery, AC-L15 AC Adapter, Video Cable, USB Cable, Sony Picture Package software, Sony Image Data Converter .SRF software, Neck Strap