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Canon SX40 HS

Canon PowerShot SX40 HS Digital Camera Instruction Manual

Model: SX40 HS

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Canon PowerShot SX40 HS digital camera. Please read this manual thoroughly before using the camera and retain it for future reference. The Canon PowerShot SX40 HS is a versatile compact digital camera designed for capturing high-quality photos and videos with advanced features.

2. WHAT'S IN THE BOX

Verify that all the following items are included with your Canon PowerShot SX40 HS camera:

- PowerShot SX40 HS Body
- Battery Pack NB-10L
- Battery Charger CB-2LC
- Lens Cap
- Case for Hot Shoe Cap
- Neck Strap NS-DC11
- Interface Cable IFC-400PCU
- Digital Camera Solution CD-ROM



Figure 2.1: Included accessories with the Canon PowerShot SX40 HS camera.

3. CAMERA OVERVIEW

3.1 Front View



Figure 3.1: Front view of the camera. Key components include the 35x optical zoom lens, built-in flash, and ergonomic grip.

3.2 Rear View



Figure 3.2: Rear view of the camera. Features include the 2.7-inch Vari-Angle LCD, electronic viewfinder, and various control buttons for navigation and settings.

3.3 Vari-Angle LCD

The 2.7-inch Vari-Angle LCD screen offers flexibility for shooting from various angles. It swivels out almost 180 degrees and rotates approximately 270 degrees, allowing for low-angle, high-angle, and self-portrait shots. The PureColor System LCD has 230,000 dots for clear viewing.



Figure 3.3: The Vari-Angle LCD screen extended, demonstrating its rotational capability for flexible viewing and shooting.

4. SETUP

4.1 Charging the Battery

1. Insert the Battery Pack NB-10L into the Battery Charger CB-2LC.
2. Plug the charger into a power outlet. The charging indicator will illuminate.
3. Once charging is complete, the indicator will change or turn off (refer to charger instructions for specific behavior).

4.2 Inserting the Battery and Memory Card

1. Open the battery/card compartment cover on the camera.
2. Insert the charged NB-10L battery pack, ensuring correct orientation.
3. Insert an SD, SDHC, or SDXC memory card into the card slot until it clicks into place.
4. Close the compartment cover securely.

4.3 Initial Settings

Upon first power-on, the camera may prompt you to set the date, time, and time zone. Follow the on-screen instructions to configure these settings for accurate photo and video timestamps.

5. BASIC OPERATION

5.1 Taking Still Photos

1. Turn on the camera.
2. Select your desired shooting mode using the mode dial (e.g., Smart AUTO for automatic settings).
3. Frame your shot using the LCD screen or electronic viewfinder.
4. Press the shutter button halfway down to focus. The focus frame will illuminate when focus is achieved.
5. Press the shutter button fully to capture the image.

5.2 Recording Videos

The PowerShot SX40 HS features a dedicated movie button for instant video recording.

1. With the camera powered on, press the dedicated movie button to start recording.
2. Press the movie button again to stop recording.

The camera supports Full HD 1080p video recording at 24 frames per second (actual 23.976 fps) and 720p HD video at 30 frames per second (actual 29.97 fps) with stereo sound. The optical zoom can be used during video recording.

6. ADVANCED FEATURES

6.1 35x Optical Zoom and 24mm Wide-Angle Lens

The camera is equipped with a Genuine Canon 35x Optical Zoom lens, providing a focal range from 24mm wide-angle to 840mm telephoto (35mm equivalent). This allows for capturing expansive landscapes as well as distant subjects with clarity.

6.2 Optical Image Stabilization with Intelligent IS

Canon's Optical Image Stabilizer (IS) system corrects for camera movement, reducing blur in photos and videos. The Intelligent IS feature automatically selects the optimal stabilization mode based on the shooting

situation:

- **Normal IS:** Corrects a wide range of camera movement for stills.
- **Panning IS:** Detects panning motion and adjusts stabilization accordingly.
- **Macro (Hybrid) IS:** Corrects shift-type camera shake common in close-up photography.
- **Dynamic IS:** Effective for video shooting at wide-angle focal lengths, reducing shake while walking.
- **Powered IS:** Compensates for hand movement when shooting video at the telephoto end.
- **Tripod IS:** Disables stabilization when a tripod is detected.

6.3 Canon HS SYSTEM and DIGIC 5 Image Processor

The Canon HS SYSTEM, combining a high-sensitivity 12.1 Megapixel CMOS sensor and the DIGIC 5 Image Processor, enhances low-light performance. It reduces noise and blur, delivering clear images with vibrant colors and accurate white balance, even at high ISO speeds up to 3200.

6.4 Shooting Modes

The camera offers a variety of shooting modes to suit different scenarios:

- **Smart AUTO:** Automatically selects optimal settings.
- **Program (P):** Access advanced exposure compensation.
- **Shutter-Priority (Tv):** Manually set shutter speed.
- **Aperture-Priority (Av):** Manually set aperture.
- **Manual (M):** Complete control over exposure.
- **Movie Digest:** Records a short video clip before each still image.
- **Portrait:** Blurs the background for subject emphasis.
- **Kids & Pets:** Optimizes for fast-moving subjects.
- **Landscape:** Increases depth-of-field for sharp landscapes.
- **Smart Shutter:** Automatically captures photos based on smiles, winks, or new faces.
- **High-Speed Burst HQ:** Captures fast action at full resolution.
- **Handheld Night Scene:** Captures clear night photos without a tripod.
- **Beach, Underwater, Foliage, Snow, Fireworks:** Scene-specific optimizations.
- **Stitch Assist:** Aids in creating panoramic photos.

6.5 Creative Filters

Apply various effects to your photos and videos:

- **Toy Camera Effect:** Simulates photos from a toy camera.
- **Poster Effect:** Combines similar shades for a posterized look.
- **Monochrome:** Black-and-white, sepia, or blue tones.
- **High Dynamic Range:** Combines multiple exposures for balanced lighting.
- **Super Slow Motion Movie:** Records video at high speed for slow-motion playback.
- **Fisheye Effect:** Creates a classic fisheye distortion.
- **Miniature Effect:** Blurs top and bottom portions for a miniature look.
- **Super Vivid:** Intensifies colors.
- **Color Accent:** Retains one color while others turn monochrome.
- **Color Swap:** Replaces a selected color with another.

7. PLAYBACK AND CONNECTIVITY

7.1 Viewing Images and Videos

Press the playback button to review your captured photos and videos on the LCD screen. Use the directional buttons to navigate through your media.

7.2 HDTV Playback via HDMI

Connect the camera to an HDTV using an HDMI cable (not included) to view your photos and videos on a larger screen. The camera supports HDMI-CEC technology, allowing control of playback with your TV's remote if your TV is CEC-enabled.

7.3 iFrame Movie Support

The PowerShot SX40 HS supports the Apple iFrame video format, which simplifies importing and editing videos on compatible Mac and Windows applications. This format maintains high quality while keeping file sizes manageable for sharing.

7.4 Computer Connection

Use the Interface Cable IFC-400PCU to connect your camera to a computer for transferring images and videos. Install the Digital Camera Solution CD-ROM software for enhanced functionality.

8. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens and LCD screen, use a specialized lens cleaning cloth and solution. Avoid harsh chemicals.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if the camera will not be used for an extended period.
- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery frequently.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your PowerShot SX40 HS.

Problem	Possible Cause	Solution
Camera does not turn on	Battery is depleted or incorrectly inserted.	Charge the battery. Reinsert the battery correctly.
Cannot take pictures	Memory card is full or not inserted. Lens cap is on.	Insert a memory card or delete images. Remove the lens cap.
Images are blurry	Camera shake. Incorrect focus.	Hold the camera steady. Use Image Stabilization. Ensure proper focus before shooting.
Flash does not fire	Flash is set to OFF or in a mode where it's suppressed.	Check flash settings. Ensure flash is popped up if applicable.

10. SPECIFICATIONS

Model Name	PowerShot SX40 HS
Effective Still Resolution	12.1 MP
Photo Sensor Technology	CMOS
Optical Zoom	35x
Minimum Focal Length	24 Millimeters
Maximum Focal Length	840 Millimeters
Image Stabilization	Optical
Video Resolution	FHD 1080p
Screen Size	2.7 Inches
Display Type	Vari-Angle LCD
Flash Memory Type	SD/SDHC/SDXC
Connectivity Technology	HDMI, USB
Battery Type	Lithium Ion (NB-10L)
Item Weight	1.33 Pounds

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Canon PowerShot SX40 HS comes with a 1-Year Canon U.S.A. Warranty. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official Canon website.

11.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official Canon support website or contact Canon customer service directly. Contact information can typically be found on the Canon website or in the documentation provided with your camera.