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Model: PowerShot SX160 IS

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Canon PowerShot SX160 IS digital camera. Please read this manual thoroughly before using the camera and retain it for future reference. The Canon PowerShot SX160 IS is a 16.0-megapixel digital camera featuring a 16x optical zoom lens and a 3.0-inch LCD, designed for capturing high-quality photos and HD videos.

2. SAFETY INFORMATION

- Do not expose the camera to water or moisture.
- Avoid dropping the camera or subjecting it to strong impacts.
- Keep the camera away from strong magnetic fields.
- Use only recommended batteries and accessories.
- Do not attempt to disassemble or modify the camera.
- Clean the camera body and lens with a soft, dry cloth.

3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- Canon PowerShot SX160 IS Digital Camera Body
- USB Interface Cable (IFC-400PCU)
- Wrist Strap (WS-800)
- Digital Camera Solution CD-ROM
- AA-size Alkaline Batteries (2)



Image: Contents of the Canon PowerShot SX160 IS package, including the camera, USB cable, wrist strap, batteries, and software CD.

4. CAMERA OVERVIEW

4.1 Front View



Image: Front view of the Canon PowerShot SX160 IS, showing the lens, flash, and branding.

The front of the camera features the 16x optical zoom lens, built-in flash, autofocus assist beam, and microphone.

4.2 Front View with Flash Extended



Image: Front view of the Canon PowerShot SX160 IS with the pop-up flash in its extended position.

This view illustrates the camera with its pop-up flash activated, ready for use in low-light conditions.

4.3 Rear View



Image: Rear view of the Canon PowerShot SX160 IS, displaying the 3.0-inch LCD screen and control buttons.

The rear of the camera includes the 3.0-inch LCD monitor, playback button, movie recording button, directional pad with FUNC. SET button, DISP. button, and MENU button.

5. SETUP

5.1 Inserting Batteries

The PowerShot SX160 IS uses two AA-size batteries. Ensure correct polarity when inserting.

1. Open the battery cover on the bottom of the camera.
2. Insert two AA-size batteries according to the polarity indicators (+/-).
3. Close the battery cover securely.

5.2 Inserting a Memory Card

The camera supports SD, SDHC, and SDXC memory cards.

1. Open the memory card slot cover, usually located near the battery compartment.
2. Insert the memory card with the label facing the front of the camera until it clicks into place.
3. Close the memory card slot cover.

5.3 Setting Date and Time

Upon first use or after replacing the internal button battery (if applicable), you may need to set the date and time.

1. Turn on the camera. If the date/time setting screen appears automatically, proceed to step 3.
2. Press the MENU button, navigate to the 'Settings' tab (wrench icon), and select 'Date/Time'.
3. Use the directional buttons to set the year, month, day, hour, and minute.
4. Press the FUNC. SET button to confirm.

6. BASIC OPERATION

6.1 Turning Power On/Off

Press the ON/OFF button located on the top of the camera to power it on or off.

6.2 Taking Photos

1. Turn the mode dial to the desired shooting mode (e.g., Auto for simple point-and-shoot).
2. Frame your shot using the LCD monitor.
3. Press the shutter button halfway down to focus. The focus frame will turn green when focus is achieved.
4. Press the shutter button fully down to take the picture.

6.3 Recording Videos

The camera can record 720p HD videos.

1. Press the dedicated movie recording button (red dot icon) on the rear of the camera to start recording.
2. Press the movie recording button again to stop recording.

6.4 Using Zoom

Use the zoom lever around the shutter button to adjust the focal length.

- Push the lever towards 'W' (Wide) to zoom out.
- Push the lever towards 'T' (Telephoto) to zoom in.

6.5 Flash Modes

Press the flash button on the directional pad to cycle through flash modes:

- **Auto:** Flash fires automatically when needed.
- **On:** Flash fires for every shot.
- **Slow Synchro:** For shooting subjects with night backgrounds.
- **Off:** Flash does not fire.

6.6 Reviewing Images and Videos

Press the playback button (arrow icon) to enter playback mode. Use the directional buttons to navigate through your captured media.

7. ADVANCED FEATURES

7.1 Shooting Modes

The mode dial allows selection of various shooting modes:

- **Program (P):** Camera sets aperture and shutter speed, but you can adjust other settings.
- **Shutter Priority (Tv):** You set shutter speed, camera sets aperture.
- **Aperture Priority (Av):** You set aperture, camera sets shutter speed.
- **Manual (M):** You control both aperture and shutter speed.
- **Scene (SCN):** Pre-set modes for specific situations (e.g., Portrait, Landscape).
- **Creative Filter:** Apply special effects to your photos.

7.2 Image Stabilization

The camera features Optical Image Stabilization (IS) to reduce blur caused by camera shake, especially useful

when using the telephoto zoom or in low light conditions. This system operates automatically.

7.3 Focus Modes

The camera offers various focus options:

- **Autofocus (AF):** The camera automatically focuses on the subject.
- **Manual Focus (MF):** Allows you to manually adjust the focus using the directional buttons.

7.4 White Balance

Adjust white balance to ensure accurate color reproduction under different lighting conditions. Access this setting via the FUNC. SET menu.

8. CONNECTING TO OTHER DEVICES

8.1 USB Connection

Connect the camera to a computer using the supplied USB cable to transfer images and videos.

1. Ensure the camera is off.
2. Connect the small end of the USB cable to the camera's USB port.
3. Connect the large end of the USB cable to a USB port on your computer.
4. Turn on the camera. The computer should recognize the camera as a removable drive.

8.2 HDMI Connection

View your photos and videos on an HDTV using an HDMI cable (sold separately).

1. Ensure both the camera and TV are off.
2. Connect one end of the HDMI cable to the camera's HDMI port.
3. Connect the other end to an HDMI input on your TV.
4. Turn on the TV and select the correct HDMI input.
5. Turn on the camera and enter playback mode.

9. MAINTENANCE

9.1 Cleaning the Camera

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, lightly dampen the cloth with water.
- **Lens:** Use a lens brush to remove dust, then gently wipe with a lens cleaning cloth. Avoid touching the lens surface with your fingers.
- **LCD Screen:** Wipe gently with a soft, dry cloth.

9.2 Battery Care

- Remove batteries when the camera will not be used for an extended period.
- Store batteries in a cool, dry place.
- Do not mix old and new batteries, or different types of batteries.

9.3 Memory Card Handling

- Always format new memory cards in the camera before first use.
- Do not remove the memory card while the camera is writing or reading data.

- Keep memory cards away from strong magnetic fields and static electricity.

10. TROUBLESHOOTING

Problem	Solution
Camera does not power on.	Check if batteries are inserted correctly and fully charged. Replace with fresh batteries if necessary.
Date and time reset after turning off the camera.	This model uses AA batteries for main power and may have an internal button battery for date/time retention. If the date/time consistently resets, the internal button battery may need replacement by a service professional. Ensure AA batteries are fresh.
Images are blurry.	Ensure the lens is clean. Check focus settings. Use a higher shutter speed or enable image stabilization in low light.
Flash does not fire.	Check flash mode settings; ensure it is not set to 'Off'. Allow time for the flash to recharge.
Cannot transfer images to computer.	Ensure the USB cable is securely connected to both the camera and computer. Verify the camera is powered on in the correct mode for connection. Try a different USB port.

11. SPECIFICATIONS

Feature	Specification
Effective Still Resolution	16.0 Megapixels
Photo Sensor Technology	CCD (1/2.3-inch)
Optical Zoom	16x
Lens Type	Wide Angle Zoom (28-448mm equivalent)
Image Stabilization	Optical
Display	3.0-inch LCD (230,000 dots)
Video Resolution	HD 720p (30 FPS)
Supported File Format	JPEG, RAW (Note: RAW support may vary by firmware version, some sources indicate JPEG only for this model)
Memory Card Type	SD, SDHC
Connectivity	USB, HDMI
Power Source	2 x AA batteries
Processor	DIGIC 4
Dimensions (approx.)	2.87 inches (Height)
Weight (approx.)	10.26 Ounces

12. WARRANTY AND SUPPORT

This Canon PowerShot SX160 IS camera comes with a 90-day limited warranty. For warranty claims or technical support, please refer to the contact information provided with your purchase or visit the official Canon support website.

For further assistance, consult the Digital Camera Solution CD-ROM included in your package, which may contain additional software and detailed guides.