Sony HXRMC2500

Sony HXR-MC2500 Shoulder Mount AVCHD Camcorder User Manual

Introduction

This manual provides essential instructions for the proper setup, operation, and maintenance of your Sony HXR-MC2500 Shoulder Mount AVCHD Camcorder. Please read this manual thoroughly before using the camcorder to ensure optimal performance and to prevent damage.



Figure 1: Front view of the Sony HXR-MC2500 Shoulder Mount AVCHD Camcorder, showing the lens, microphone, and viewfinder.

Getting Started

1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all listed accessories are present and inspect the camcorder for any signs of damage. If any items are missing or damaged, contact your dealer.

2. Battery Installation

The camcorder operates using a Lithium Ion battery. Ensure the battery is fully charged before first use.

1. Locate the battery compartment on the rear of the camcorder.
2. Align the battery with the guides and slide it into the compartment until it clicks securely into place.
3. To remove, press the battery release lever and slide the battery out.



Figure 2: Rear view of the camcorder with the battery installed in its compartment.

3. Memory Card Insertion

The camcorder supports SD, Memory Stick Pro, and Memory Stick flash memory types. Insert a compatible memory card for recording.

1. Open the memory card slot cover, typically located on the side of the camcorder.
2. Insert the memory card with the correct orientation until it clicks into place.
3. Close the memory card slot cover.
4. To remove, press the card gently to eject it, then pull it out.



Figure 3: Close-up view of the memory card slot, showing a memory card partially inserted.

Basic Operation

1. Power On/Off

To power on the camcorder, slide the POWER switch to the ON position. To power off, slide it to the OFF position.

2. Recording Video

Press the START/STOP button to begin recording. Press it again to stop recording. The recording indicator will illuminate during recording.

3. Zoom Control

Use the zoom lever to adjust the focal length. Push the lever towards 'T' for telephoto (zoom in) and towards 'W' for wide-angle (zoom out). The camcorder features a 12x optical zoom.

4. Focus Adjustment

The camcorder is equipped with a Quick AF system for precise autofocus. For manual focus, switch the FOCUS

mode to MANUAL and rotate the focus ring on the lens.

5. White Balance

Adjust the white balance to ensure accurate color reproduction under different lighting conditions. Use the WB SET button or menu options to select presets (e.g., Indoor, Outdoor) or perform a manual white balance adjustment.

6. Low Light Shooting

The 1/4" back-illuminated Exmor R CMOS sensor provides exceptional low-light sensitivity. For extremely dark environments, activate the built-in LED video light.



Figure 4: Detail of the camcorder's built-in LED video light, shown in an illuminated state.

Advanced Features

1. Connectivity

The HXR-MC2500 offers various connectivity options:

- **HDMI Output:** Connect to an external monitor or recorder using an HDMI cable.
- **BNC (Composite) Output:** For standard definition video output.
- **2.4 GHz Wi-Fi:** For remote control and file transfer capabilities. Refer to the detailed network setup guide for configuration.



Figure 5: Side view of the camcorder, highlighting the HDMI, USB, and other connectivity ports.

2. Internal Storage

The camcorder includes a built-in 32GB solid-state flash drive, capable of storing up to three hours of HD video recorded in PS mode. This internal memory can be used in conjunction with or as an alternative to external memory cards.

Maintenance

1. Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Avoid touching the lens surface with bare hands.
- **Body:** Wipe the camcorder body with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water and then wipe dry. Do not use solvents or abrasive cleaners.

2. Battery Care

- Charge the battery fully before each use.
- Avoid exposing the battery to extreme temperatures.
- If storing the camcorder for an extended period, remove the battery.

3. Storage

Store the camcorder in a cool, dry place away from direct sunlight and excessive humidity. Use a protective case to prevent dust and physical damage.

Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, consult the Sony support website or contact customer service.

- **Camcorder does not power on:**

Ensure the battery is fully charged and correctly installed. Verify the power adapter is securely connected if operating on AC power.

- **No image on viewfinder/LCD screen:**
  Check if the viewfinder or LCD screen is properly extended or opened. Adjust brightness settings if necessary.
- **Recording does not start:**
  Confirm that a memory card is inserted and has sufficient free space, or that the internal memory is not full. Check if the camcorder is in recording mode.
- **Poor audio quality:**
  Ensure the microphone is clean and unobstructed. Check audio input settings and external microphone connections if applicable.
- **Image is blurry or out of focus:**
  Verify that the focus mode is set correctly (Auto Focus or Manual Focus). If in manual mode, adjust the focus ring. Clean the lens if smudged.

Specifications

Feature	Detail
Model Number	HXRMC2500
Product Dimensions	20.78 x 12.62 x 13.22 inches
Item Weight	11.45 pounds
Photo Sensor Technology	CMOS
Video Capture Resolution	1080p
Maximum Focal Length	26.8 Millimeters
Maximum Aperture	4 f
Flash Memory Type	SD; Memory Stick Pro; Memory Stick
Video Capture Format	AVCHD
Supported Audio Format	Dolby Digital
Screen Size	3 Inches
Connectivity Technology	1 x BNC (Composite) Output, 1 x HDMI Output, 2.4 GHz Wi-Fi
Batteries	1 Lithium Ion battery required (included)

Warranty and Support

Warranty Information

Your Sony HXR-MC2500 Camcorder is covered by a limited warranty. Please refer to the warranty card included

with your product for specific terms, conditions, and duration of coverage. Retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or service inquiries, please visit the official Sony support website or contact Sony customer service directly. Contact information can typically be found on the Sony website or in the product packaging.