

JVC GY-HM250U

JVC GY-HM250U UHD 4K Streaming Camcorder User Manual

Model: GY-HM250U

INTRODUCTION

This manual provides essential information for the safe and effective use of your JVC GY-HM250U UHD 4K Streaming Camcorder. Please read this manual thoroughly before operating the camcorder and retain it for future reference. The GY-HM250U is a professional camcorder designed for high-quality video capture and live streaming, featuring UHD 4K recording, IP control, and integrated titling capabilities.

IMPORTANT SAFETY INFORMATION

- Do not expose the camcorder to rain or moisture to prevent fire or electric shock.
- Avoid operating the camcorder in extremely hot, cold, or humid environments.
- Use only JVC-approved accessories and power adapters.
- Do not attempt to disassemble or modify the camcorder. Refer all servicing to qualified personnel.
- Keep the camcorder away from strong magnetic fields.

PACKAGE CONTENTS

Verify that all items are present in your package:

- JVC GY-HM250U UHD 4K Streaming Camcorder
- 64GB UHS SDXC Memory Card (Class 10)
- 62mm 3 Piece Filter Kit
- JVC QAN0067-003 Microphone
- Memory Card Wallet
- Carrying Case
- Professional 160 LED Video Light Studio Series
- Lens Cleaning Solution
- Blower Brush

- Microfiber Cloth
- Lens Tissue Paper
- 5pc Cotton Swabs



Image: JVC GY-HM250U Camcorder with various accessories including memory card, microphone, filters, LED light, and cleaning kit.

SETUP

1. Battery Installation

Insert the battery into the battery compartment on the rear of the camcorder until it clicks into place. Ensure the battery is fully charged before first use. The camcorder does not include batteries, so ensure you have a compatible battery.

2. Memory Card Installation

Locate the SD card slot. Insert the provided 64GB UHS SDXC Memory Card (Class 10) into the slot with the label facing the correct direction until it locks. Ensure the card is formatted within the camcorder before recording.

3. Microphone Attachment

Attach the JVC QAN0067-003 Microphone to the camcorder's microphone input port, typically located near the handle or on the side. Secure it firmly. Connect the microphone cable to one of the 2-Channel XLR Audio Inputs.

4. Filter Kit Installation

Screw the desired 62mm filter from the 3 Piece Filter Kit onto the front of the camcorder's lens. Ensure it is securely fastened but not overtightened.

5. LED Video Light Setup

Mount the Professional 160 LED Video Light Studio Series onto the camcorder's accessory shoe. Connect its power source (not specified, assume external or internal battery for the light). Adjust the light intensity as needed.

6. Initial Power On

Press and hold the POWER button to turn on the camcorder. Follow any on-screen prompts for initial setup, such as language and date/time settings.



Image: Front view of the JVC GY-HM250U Camcorder, showing the lens, handle, and main body.

1. Basic Recording

- **Power On:** Press the POWER button.
- **Zoom:** Use the zoom lever on the handle or lens to adjust the 12x optical zoom.
- **Focus:** Switch between Auto Focus and Manual Focus using the AF/MF switch. Adjust manually using the focus ring on the lens.
- **Record:** Press the REC START/STOP button to begin and end recording.
- **Video Resolution:** The camcorder supports UHD 4K 24/30p at 70/150 Mb/s and 4:2:2 4K at 24/30p. Select your desired resolution and bitrate from the menu.

2. Audio Settings

Utilize the 2-Channel XLR Audio Inputs for professional audio recording. Adjust input levels and select input sources (LINE/MIC) using the controls on the camcorder's audio unit.

3. Live Streaming

The GY-HM250U features an integrated IP engine for Full HD live streaming. It is compatible with RTMP, Zixi, and Wowza streaming protocols.

- **Network Connection:** Connect the camcorder to a LAN via Ethernet or Wi-Fi (if applicable).
- **Zeroconf Configuration:** For quick setup on a common LAN, use the one-click zeroconf configuration.
- **Streaming Setup:** Access the streaming settings via the camcorder's menu or a browser-controlled mobile device/laptop for remote control and monitoring.

4. Lower Third & Titling System

In HD mode, the camcorder allows for the creation and control of custom graphics, lower thirds, and titles directly from a browser-controlled tablet or smartphone. Pre-installed color schemes are available, and you can upload custom icons or logos to personalize your footage.

5. Output Connections

Connect external monitors or recorders using the 3G-SDI and HDMI output ports. The camcorder supports Live HDMI UHD 4K output.

MAINTENANCE

1. Cleaning the Camcorder

- **Lens:** Use the provided Blower Brush to remove dust. For smudges, apply a small amount of Lens Cleaning Solution to the Lens Tissue Paper or Microfiber Cloth and gently wipe the lens in a circular motion.
- **Body:** Wipe the camcorder body with a soft, dry Microfiber Cloth. Avoid using harsh chemicals or abrasive materials.
- **Connectors:** Use Cotton Swabs to carefully clean any dust or debris from ports and connectors.

2. Storage

When not in use, store the camcorder in the provided Carrying Case in a cool, dry place, away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

3. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Store batteries in a cool, dry place. If storing for a long time, charge them to about 50% capacity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camcorder does not power on.	Battery is not charged or improperly installed.	Ensure battery is fully charged and correctly inserted. Check power adapter if using external power.
Cannot record video.	Memory card is full, not inserted, or not formatted.	Insert a formatted memory card with sufficient space. Format the card if necessary (this will erase all data).
No audio recording.	Microphone not connected, audio levels too low, or incorrect input selected.	Check microphone connection. Adjust audio input levels. Ensure correct XLR input is selected.
Streaming issues (buffering, disconnection).	Weak network connection, incorrect streaming settings.	Ensure a stable and strong internet connection. Verify streaming settings (RTMP URL, stream key). Try a wired LAN connection if using Wi-Fi.

SPECIFICATIONS

Model: GY-HM250U

Sensor: 1 x 1/2.3" CMOS Sensor

Video Capture Resolution: UHD 4K (24/30p), 4:2:2 4K (24/30p), Full HD

Recording Bitrate: Up to 150 Mb/s (UHD 4K), 70 Mb/s (UHD 4K)

Optical Zoom: 12x

Lens Type: Zoom Lens

Maximum Focal Length: 129 mm

Maximum Aperture: f/2

Flash Memory Type: SDHC, SDXC (UHS Speed Class 3+ recommended for 4K)

Video Capture Format: MP4, MOV

Audio Inputs: 2-Channel XLR

Video Outputs: 3G-SDI, HDMI (Live HDMI UHD 4K Out)

Connectivity Technology: HDMI, IP Control

Streaming Protocols: RTMP, Zixi, Wowza

Screen Size: 2.3 Inches

Focus Type: Auto Focus, Manual Focus

Image Aspect Ratio: 16:9

Supported Image Format: JPEG

Item Weight: 8.68 Pounds (approx. 3.94 kg)

Form Factor: Handheld

Manufacturer: JVC

UPC: 636983315567

WARRANTY INFORMATION

JVC products are manufactured to the highest quality standards. For specific warranty terms and conditions applicable to your region, please refer to the warranty card included with your product or visit the official JVC website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, service, or further inquiries regarding your JVC GY-HM250U camcorder, please contact JVC customer support. You can find contact information, FAQs, and additional resources on the official JVC website:

[Visit JVC Global Support](#)



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