Canon 0565C013

Canon XC10 4K Professional Camcorder User Manual

Model: 0565C013

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Canon XC10 4K Professional Camcorder. Please read this manual thoroughly before using the camcorder to ensure proper and safe operation.

Setup

Follow these steps to prepare your Canon XC10 camcorder for first use.

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed below are present:

- XC10 body
- Hood unit
- Viewfinder unit
- Strap
- Remote controller (RC-6)
- Compact Power adapter (CA-570)
- Battery Pack (LP-E6N)
- High Speed HDMI cable (HTC-100/S)
- Interface Cable (IFC-300PCU/S)
- Sandisk 64GB Cfast Card
- Sandisk Cfast card reader

2. Attaching the Lens Hood

Align the lens hood with the front of the lens and twist gently until it locks into place. This helps to reduce glare and protect the lens.

Figure 2: Side view of the Canon XC10 with the lens hood attached.

3. Attaching the Viewfinder Unit

Attach the viewfinder unit to the designated slot on the camcorder body. Ensure it clicks securely into position for stable viewing.

Figure 3: Side view of the Canon XC10 with the viewfinder unit attached.

4. Installing the Battery Pack

Insert the LP-E6N battery pack into the battery compartment. Ensure it is fully seated and locked into place. Charge the battery using the Compact Power adapter (CA-570) before first use.

5. Inserting the CFast Card

Locate the CFast card slot on the camcorder. Insert the Sandisk 64GB CFast Card with the label facing the correct direction until it clicks into place. The camcorder also supports SDHC/SDXC cards.

Figure 4: Sandisk CFast 2.0 Card (left) and CFast 2.0 Card Reader (right).

6. Attaching the Strap

Attach the provided strap to the camcorder's strap lugs for secure handling.

7. Connecting to External Devices

- **HDMI Output:** Use the High Speed HDMI cable (HTC-100/S) to connect the camcorder to an external monitor or recording device for 4K monitoring.
- **Interface Cable:** Use the Interface Cable (IFC-300PCU/S) for data transfer to a computer.
- **Wi-Fi Connectivity:** The camcorder supports Wi-Fi for wireless control and file transfer. Refer to the on-screen menu for Wi-Fi setup instructions.

OPERATING THE CAMCORDER

This section covers the basic operation of the Canon XC10.

1. Power On/Off

Locate the power button on the camcorder body. Press and hold to power on or off. The camcorder can be powered by the LP-E6N battery or continuously via the CA-570 power adapter.

Figure 5: Top view of the Canon XC10, highlighting the power button and other controls.

2. Recording Video

The XC10 supports 4K 30p and Full HD 60p recording using the XF-AVC codec. Multiple recording modes and frame rates are available. Use the menu system to select your desired settings.

- **4K Video:** Records UltraHD 4K at 29.97/23.98p.
- **Full HD Video:** Records 1080p60.

- **High Frame Rate:** Supports 720p120 for slow-motion effects.

The camcorder features a 12 Megapixel One-Inch 4K-Compatible CMOS Image Sensor and a DiG!C DV 5 Image Processor for high-quality output.

3. Lens and Zoom Operation

The integrated 4K Wide-Angle 10x Zoom Lens offers a focal length of 8.9 to 89mm (24-240mm equivalent) with an aperture range of f/2.8 to 5.6. Utilize the zoom ring on the lens for optical zoom. The lens includes Image Stabilizer technology to reduce camera shake.

Figure 6: Side view of the Canon XC10, showing the lens and zoom controls.

4. Focus and Exposure

The camcorder offers both manual and autofocus options. Use the touch screen for precise focus adjustments. Exposure settings can be managed through the menu, including Canon Log and Wide Dynamic Range Gamma for enhanced post-production flexibility. Image settings are compatible with Cinema EOS cameras.

5. Ergonomics and Viewfinder

The XC10 features a compact and ergonomic design with an adjustable handle and a large, clear viewfinder on the back. The viewfinder can be adjusted for comfortable viewing angles, enhancing usability during handheld shooting.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your camcorder.

- **Cleaning the Lens and Body:** Use a soft, lint-free cloth to clean the lens and camcorder body. For stubborn smudges on the lens, use a specialized lens cleaning solution.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging lithium-ion batteries frequently to prolong their lifespan.
- **Storage:** When not in use, store the camcorder in a protective case to prevent dust accumulation and physical damage.
- **Firmware Updates:** Periodically check the Canon support website for firmware updates to ensure

your camcorder has the latest features and bug fixes.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Canon XC10.

Problem	Possible Cause	Solution
Camcorder does not power on.	Battery is depleted or not inserted correctly. Power adapter is not connected.	Charge the battery or ensure it is properly inserted. Connect the power adapter.
Recording stops unexpectedly.	CFast/SD card is full or too slow. Battery is low.	Replace the card or delete files. Use a faster card (e.g., CFast 2.0 for 4K). Charge or replace the battery.
Image is blurry.	Incorrect focus setting. Lens is dirty.	Adjust focus manually or use autofocus. Clean the lens.
No image on external monitor via HDMI.	HDMI cable is not connected properly or is faulty. Monitor input is incorrect.	Check HDMI cable connections. Select the correct HDMI input on the monitor.

If you encounter issues not covered here, please refer to the official Canon support resources.

SPECIFICATIONS

Key technical specifications for the Canon XC10 4K Professional Camcorder.

Feature	Detail
Model Number	0565C013
Product Dimensions	4.92 x 4.02 x 4.8 inches
Item Weight	2.05 pounds
Photo Sensor Technology	CMOS (1-inch, 12 Megapixel)
Video Capture Resolution	4K (UltraHD)
Maximum Focal Length	89mm (35mm equivalent: 240mm)
Minimum Focal Length	8.9mm (35mm equivalent: 24mm)
Maximum Aperture	f/2.8
Minimum Aperture	f/5.6
Flash Memory Type	CFast, SD
Video Capture Format	MP4, MOV (XF-AVC codec)
Supported Audio Format	AAC

Feature	Detail
Screen Size	3 Inches
Connectivity Technology	Wi-Fi
Batteries	1 Lithium Ion battery required (included)

WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your camcorder or visit the official Canon website. For technical support, service, or additional resources, please contact Canon customer service or visit their online support portal.

Canon Support Website: www.usa.canon.com/support