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Canon EOS 6D Mark II DSLR Camera with EF 24-105mm USM Lens Instruction Manual

Model: 6D Mark II

1. INTRODUCTION

The Canon EOS 6D Mark II is a full-frame DSLR camera designed for advanced photography. It features a 26.2 Megapixel CMOS sensor and DIGIC 7 Image Processor, enabling high-resolution imaging and strong low-light performance. This manual provides essential information for setting up, operating, and maintaining your camera. Key features include:

- 26.2 Megapixel Full-frame CMOS Sensor for detailed images.
- Optical Viewfinder with a 45-point All Cross-type AF System for precise focusing.
- Dual Pixel CMOS AF with Phase-detection for fast and accurate Live View autofocus.
- Full HD 60p video recording capabilities.
- DIGIC 7 Image Processor, supporting ISO 100-40000.
- Built-in Wi-Fi for wireless connectivity.



Figure 1.1: Front view of the Canon EOS 6D Mark II camera with the EF 24-105mm USM lens attached.

2. SETUP

2.1. Charging the Battery

Before initial use, fully charge the provided battery using the battery charger. Insert the battery into the charger, ensuring correct orientation. The charging indicator light will show the charging status.

2.2. Inserting the Battery and Memory Card

Open the battery compartment cover located at the bottom of the camera. Insert the charged battery until it locks into place. Open the memory card slot cover and insert a compatible SD card (UHS-I, U3, V30 recommended) with the label facing the correct direction until it clicks. Close both covers securely.

2.3. Attaching the Lens

Align the red or white index mark on the lens with the corresponding mark on the camera body. Rotate the lens clockwise until it clicks into place. To detach, press the lens release button and rotate the lens counter-clockwise.



Figure 2.1: The Canon EOS 6D Mark II with its vari-angle LCD screen extended, showing the camera's side profile.

3. OPERATING THE CAMERA

3.1. Power On/Off

Locate the power switch near the mode dial. Slide it to the "ON" position to power on the camera. Slide it to "OFF" to power off.

3.2. Basic Shooting Modes

Rotate the mode dial to select your desired shooting mode:

- **Program AE (P):** Camera sets aperture and shutter speed automatically.
- **Shutter-priority AE (Tv):** You set shutter speed, camera sets aperture.
- **Aperture-priority AE (Av):** You set aperture, camera sets shutter speed.
- **Manual Exposure (M):** You set both aperture and shutter speed.
- **Landscape:** Optimized settings for landscape photography.
- Other scene modes and custom settings are also available.

3.3. Autofocus System

The camera features a 45-point all cross-type AF system for precise focusing through the optical viewfinder. For Live View shooting, Dual Pixel CMOS AF provides fast and smooth autofocus. Select your AF mode (One-Shot AF, AI Servo AF, AI Focus AF) and AF area selection mode as needed.



Figure 3.1: Front view of the Canon EOS 6D Mark II, highlighting the lens and camera body.

3.4. Video Recording

To record videos, set the mode dial to the movie shooting mode. The camera supports Full HD (1080p) video recording at up to 60 frames per second. Use the dedicated Movie shooting button to start and stop recording. The camera uses MPEG-4 and H.264 formats.

3.5. Wi-Fi Connectivity

The EOS 6D Mark II includes built-in Wi-Fi for wireless communication with compatible smartphones, tablets, and other devices. This allows for remote control of the camera and easy transfer of images and videos. Refer to the camera's on-screen menu for Wi-Fi setup instructions.



Figure 3.2: Back view of the Canon EOS 6D Mark II, displaying the LCD screen and various control buttons.

4. MAINTENANCE

4.1. Cleaning the Camera

- **Camera Body:** Use a soft, dry cloth to wipe dust and smudges. For stubborn dirt, slightly dampen the cloth with water.
- **Lens:** Use a lens blower brush to remove dust. For smudges, use a lens cleaning solution and a microfiber cloth. Avoid touching the lens surface directly.
- **Sensor:** The camera has an automatic sensor cleaning function. For manual cleaning, consult a professional service.
- **LCD Screen:** Use a soft, dry cloth. Avoid harsh chemicals.

4.2. Storage

When not in use, store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Use a camera bag or case to protect it from dust and physical damage. Remove the battery if storing for extended periods.

5. TROUBLESHOOTING

Problem	Possible Cause / Solution
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Problem	Possible Cause / Solution
Camera does not power on.	Battery is not charged or incorrectly inserted. Ensure battery is charged and properly seated.
Images are blurry.	Incorrect focus, camera shake, or slow shutter speed. Check focus mode, use a faster shutter speed, or stabilize the camera.
Memory card error.	Card is full, corrupted, or incompatible. Try a different card, format the card (this will erase all data), or ensure it meets specifications.
Wi-Fi connection issues.	Incorrect settings or interference. Ensure Wi-Fi is enabled on both devices and follow the camera's connection guide.
"Err 20" message.	This error often indicates a mechanical malfunction, such as a shutter issue. If this occurs, contact Canon service or your retailer for repair.

6. SPECIFICATIONS

Feature	Detail
Model Name	6D Mark II
Sensor Type	Full Frame CMOS
Effective Still Resolution	26.2 MP
Image Processor	DIGIC 7
ISO Range	100-40000 (Expandable to 50-102400)
Autofocus System	45-point All Cross-type AF (Optical Viewfinder), Dual Pixel CMOS AF (Live View)
Video Resolution	Full HD 1080p at up to 60 fps
Connectivity	Wi-Fi, HDMI, USB 3.0
LCD Screen	3-inch Vari-angle Touch Screen LCD (1,040,000 dots)
Compatible Lenses	Canon EF lenses (excluding EF-S and EF-M lenses)
Storage Media	SD Card (UHS-I compatible)
Dimensions (approx.)	Item Height: 4.4 inches
Weight (approx.)	6.1 Pounds (with lens)
Battery Type	Lithium Ion
UPC	748926484855

7. WARRANTY AND SUPPORT

7.1. Warranty Information

This product typically comes with a 90-day limited warranty. For specific warranty details and terms, please refer to the

documentation provided with your purchase or contact Canon customer service. Note that renewed products may have different warranty terms than new products.

7.2. Customer Support

For technical assistance, service, or further inquiries, please visit the official Canon support website or contact their customer service department. Keep your product's serial number and proof of purchase readily available when seeking support.

