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> Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens for Canon SLR Cameras Base Instruction Manual

Canon 6473A003

Instruction Manual: Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens

Brand: Canon | Model: 6473A003

1. INTRODUCTION AND OVERVIEW

The Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens is designed for Canon SLR cameras, offering a versatile focal length range suitable for capturing distant subjects. Its optical system and construction are consistent with the EF 75-300mm f/4-5.6 III USM model, utilizing a DC motor for autofocus. This lens is an excellent choice for various photographic applications, from portraits to wildlife and nature photography, allowing users to isolate subjects and achieve dramatic effects through image compression.

This manual provides essential information regarding the setup, operation, maintenance, and troubleshooting of your new lens to ensure optimal performance and longevity.

2. PRODUCT FEATURES

- **Focal Length:** 75-300mm telephoto zoom, providing extensive reach for distant subjects.
- **Maximum Aperture:** f/4-5.6, suitable for various lighting conditions.
- **Lens Construction:** Composed of 13 elements in 9 groups, ensuring optical clarity.
- **Autofocus System:** Utilizes a DC motor for efficient and reliable autofocus operation.
- **Closest Focusing Distance:** 4.9 feet (1.5m), allowing for detailed close-up shots at 300mm.
- **Diagonal Angle of View:** Ranges from 32 degrees (at 75mm) to 8 degrees (at 300mm).
- **Filter Size:** 58mm, compatible with standard filters.
- **Dimensions:** Approximately 2.8 inches in diameter and 4.8 inches long.
- **Weight:** Approximately 16.8 ounces (1.06 pounds), offering a lightweight design for a telephoto lens.
- **Image Stabilization:** This lens does not feature built-in image stabilization.





Figure 2.1: Front view of the Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens, showcasing its compact design.



3. WHAT'S IN THE BOX

Upon opening the product packaging, you should find the following items:

- EF 75-300mm f/4-5.6 III Telephoto Zoom Lens
- E-58 58mm Snap-On Lens Cap (Front)
- Lens Dust Cap E (Rear)
- One Year Limited Warranty Card

4. SETUP

1. **Prepare the Lens:** Carefully remove the front and rear lens caps by twisting them counter-clockwise.
2. **Prepare the Camera:** Ensure your Canon SLR camera is powered off. Remove the body cap from the camera.
3. **Attach the Lens:** Align the red dot on the lens barrel with the red dot on your camera's lens mount. Gently insert the lens into the camera body and twist it clockwise until it clicks into place. Do not force the lens.
4. **Power On:** Turn on your camera. The lens is now ready for use.

5. OPERATING INSTRUCTIONS

5.1. Autofocus (AF) and Manual Focus (MF)

The lens features a switch on its barrel to toggle between Autofocus (AF) and Manual Focus (MF) modes.

- **AF (Autofocus):** For automatic focusing, slide the switch to the "AF" position. The camera will automatically focus on your subject when the shutter button is half-pressed.
- **MF (Manual Focus):** For manual focusing, slide the switch to the "MF" position. Rotate the focusing ring on the lens barrel to achieve sharp focus. This mode is useful for precise focusing in challenging conditions or for creative control.

5.2. Zooming

To adjust the focal length, rotate the zoom ring on the lens barrel. The lens allows for smooth zooming from 75mm (wide-angle telephoto) to 300mm (super telephoto). The improved mechanism ensures smoother zooming action.

- **75mm:** Ideal for wider telephoto shots, suitable for portraits or capturing a broader scene from a distance.
- **300mm:** Provides maximum telephoto reach, perfect for wildlife, sports, or isolating distant details.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your lens.

- **Cleaning Lens Elements:** Use a lens blower to remove dust and loose particles. For smudges or fingerprints, use a soft, clean microfiber cloth specifically designed for optics, along with a small amount of lens cleaning fluid. Apply fluid to the cloth, not directly to the lens.
- **Cleaning Lens Body:** Wipe the lens barrel with a dry, soft cloth. Avoid using harsh chemicals or solvents.
- **Storage:** When not in use, always attach both the front and rear lens caps to protect the optical elements. Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures. Consider using a desiccant packet in your camera bag to prevent moisture buildup.
- **Avoid Impact:** Protect the lens from drops or impacts, as internal optical elements can be easily misaligned.

7. TROUBLESHOOTING

If you encounter issues with your Canon EF 75-300mm lens, consider the following common troubleshooting steps:

- **Autofocus Not Working:**
 - Ensure the AF/MF switch on the lens is set to "AF".
 - Check that the camera's focus mode is set to autofocus.
 - Verify that the lens is securely attached to the camera body.
 - Clean the electrical contacts on both the lens and camera with a clean, dry cloth.
- **Blurry Images:**
 - Check your camera's shutter speed. For telephoto lenses, a faster shutter speed is often needed to prevent blur from camera shake, especially since this lens does not have image stabilization.
 - Ensure proper focus. If in MF mode, manually adjust focus. If in AF mode, ensure the camera is locking onto the desired subject.
 - Check for smudges or dust on the lens elements and clean if necessary.
- **Lens Not Recognized by Camera:**
 - Power off the camera, detach the lens, and reattach it securely.
 - Clean the electrical contacts on both the lens and camera.
 - Ensure your camera's firmware is up to date.

For more detailed troubleshooting or persistent issues, please refer to the comprehensive User Manual (PDF) linked in the "Additional Resources" section or contact Canon customer support.

8. SPECIFICATIONS

Focal Length	75-300mm
Maximum Aperture	f/4-5.6
Lens Construction	13 elements in 9 groups
Closest Focusing Distance	4.9 feet (1.5m)
Filter Size	58mm
Dimensions (Diameter x Length)	2.8 x 4.8 inches (7.1 x 12.2 cm)
Weight	16.8 ounces (1.06 pounds / 476g)
Mount Type	Canon EF
Image Stabilization	No

9. WARRANTY AND SUPPORT

The Canon EF 75-300mm f/4-5.6 III Telephoto Zoom Lens comes with a **One Year Limited Warranty** from Canon. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or service inquiries, please visit the official Canon support website or contact their customer service directly. Keep your proof of purchase for warranty validation.

10. ADDITIONAL RESOURCES

For more in-depth information and detailed instructions, please refer to the official PDF documents:

- [User Guide \(PDF\)](#)
- [User Manual \(PDF\)](#)

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