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Nikon AFSVR200-500E

Nikon AF-S FX NIKKOR 200-500mm f/5.6E ED VR Zoom Lens Instruction Manual

Model: AFSVR200-500E

1. Setup

This section guides you through the initial setup of your Nikon AF-S FX NIKKOR 200-500mm f/5.6E ED VR Zoom Lens. Ensure all components are present before beginning.

1.1 Unboxing and Component Check

Carefully remove all items from the packaging. The following components should be included:

- AF-S FX NIKKOR 200-500mm f/5.6E ED Vibration Reduction Zoom Lens
- LC-95 95mm Snap-On Front Lens Cap
- HB-71 Bayonet Hood
- LF-4 Rear Lens Cap
- CL-1434 Semi-Soft Case

Inspect all items for any signs of damage. If any components are missing or damaged, please contact Nikon support.

1.2 Attaching the Lens to Your Camera

Align the mounting index on the lens with the mounting index on your Nikon DSLR camera body. Rotate the lens clockwise until it clicks securely into place. Ensure the lens is firmly attached before use.



Figure 1.2.1: The Nikon AF-S FX NIKKOR 200-500mm f/5.6E ED VR Zoom Lens. This super telephoto zoom lens is designed for capturing distant subjects with exceptional clarity.

1.3 Attaching the Lens Hood (HB-71)

The HB-71 Bayonet Hood helps to prevent stray light from entering the lens, reducing flare and ghosting. Align the hood with the front of the lens and rotate it until it locks into position. For storage, the hood can be reversed and mounted onto the lens.



Figure 1.3.1: The lens with the HB-71 Bayonet Hood attached, ready for use. The hood helps to shield the front element from unwanted light.

1.4 Attaching Lens Caps

Attach the LC-95 95mm Snap-On Front Lens Cap to the front element and the LF-4 Rear Lens Cap to the rear mount when the lens is not in use to protect the glass elements from dust and scratches.


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Figure 1.4.1: The lens with both front and rear caps in place, demonstrating proper storage configuration for protection.

Note: This lens does not require batteries for operation, as indicated in the product specifications.

2. Operating the Lens

Understand the key features and controls of your lens to maximize its performance for various photographic situations.

2.1 Zooming

The lens features a zoom ring to adjust the focal length between 200mm and 500mm. Rotate the zoom ring to achieve your desired magnification. On DX-format cameras, the effective focal length range is approximately 300-750mm due to the crop factor.

2.2 Autofocus (AF) and Manual Focus (M)

The lens is equipped with a Silent Wave Motor (SWM) for fast and quiet autofocusing. Use the focus mode switch on the lens barrel to select between autofocus (A/M or M/A) and manual focus (M) modes. In A/M or M/A modes, you can instantly switch to manual focus by rotating the focus ring, even when autofocus is active.

2.3 Vibration Reduction (VR)

The Vibration Reduction (VR) system in this lens helps to minimize blur caused by camera shake, allowing for sharper images, especially at longer focal lengths or slower shutter speeds. The VR system offers approximately 4.5 stops of compensation.

- **NORMAL Mode:** Suitable for general photography, compensating for a wide range of camera shake.
- **SPORT Mode:** Optimized for shooting unpredictable, fast-moving subjects, such as in sports or wildlife photography. This mode provides a stable viewfinder image for easier tracking.

Use the VR switch on the lens barrel to select the appropriate mode. It is generally recommended to turn VR off when the camera is mounted on a sturdy tripod to avoid potential interference.

2.4 Electromagnetic Diaphragm (E)

This lens features an electromagnetic diaphragm mechanism, which provides highly accurate aperture control, especially during high-speed continuous shooting. This ensures consistent exposure even with rapid changes in shutter speed.

2.5 Teleconverter Compatibility

The lens is compatible with optional Nikon teleconverters (e.g., TC-14E series, TC-17E series, TC-20E series) to extend its focal length. Note that autofocus functionality may be limited or unavailable depending on the teleconverter model and camera body used. Refer to your camera's manual for specific compatibility details.

3. Maintenance

Proper care and maintenance will ensure the longevity and optimal performance of your lens.

3.1 Cleaning the Lens

Use a soft, lint-free cloth to gently wipe dust from the lens surfaces. For stubborn smudges or fingerprints, use a lens cleaning solution specifically designed for optical glass and a clean microfiber cloth. Avoid using abrasive materials or harsh chemicals.

3.2 Storage

When not in use, always attach both the front and rear lens caps. Store the lens in its provided CL-1434 Semi-Soft Case in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing the lens in areas with high humidity to prevent mold or fungus growth.



Figure 3.2.1: The CL-1434 Semi-Soft Case provides protection for the lens during storage and transport.

4. Troubleshooting

If you encounter issues with your lens, refer to the following common problems and solutions.

4.1 Image Blur

- **Camera Shake:** Ensure Vibration Reduction (VR) is enabled (NORMAL or SPORT mode) unless on a sturdy tripod. For very slow shutter speeds, consider using a tripod.
- **Focus Issues:** Verify that the lens is properly focused on your subject. If using autofocus, ensure sufficient light and contrast for the AF system to lock on. Try switching to manual focus (M) for precise control in challenging conditions.
- **Subject Motion:** For fast-moving subjects, use a faster shutter speed to freeze motion. SPORT VR mode can also assist with tracking.

4.2 Autofocus Not Engaging or Slow

- **Focus Mode Switch:** Confirm the lens focus mode switch is set to A/M or M/A.
- **Lighting Conditions:** Autofocus performance may be reduced in very low light.
- **Subject Contrast:** The AF system may struggle with subjects lacking sufficient contrast or detail.
- **Obstructions:** If there are branches or other objects between the lens and your subject, the AF may hunt. Use the manual override (M/A or A/M) to quickly acquire focus.

4.3 Lens Not Mounting Securely

- **Alignment:** Ensure the mounting indexes on both the lens and camera body are correctly aligned before rotating.
- **Obstruction:** Check for any debris or foreign objects on the lens mount or camera mount that might prevent a secure connection.

5. Specifications

Detailed technical specifications for the Nikon AF-S FX NIKKOR 200-500mm f/5.6E ED VR Zoom Lens.

Feature	Detail
Product Dimensions	7.48 x 7.48 x 17.2 inches
Item Weight	3.22 pounds
ASIN	B013D1BI9Y
Item model number	AFSVR200-500E
Batteries Required	1 12V batteries required.
Manufacturer	Nikon
Brand	Nikon
Focal Length Description	200-500mm
Lens Type	Telephoto Zoom
Compatible Mountings	Nikon F Bayonet (HB-71)
Minimum Focus Distance	7.2 feet (2.2 meters)
Vibration Reduction	Approx. 4.5 stops with Sports Mode
Aperture	Constant f/5.6

6. Warranty and Support

For detailed warranty information and product support, please refer to the official documentation provided with your lens or visit the Nikon support website.

6.1 Legal Disclaimer

FULL 14 DAY NO HASSLE SATISFACTION GUARANTEE AND A 90 DAY PARTS AND LABOR WARRANTY. SERIAL #US6013596

An official User Manual (PDF) is available for downloadhere for comprehensive guidance.

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