

Nikon 1435

Nikon AI-S NIKKOR 50mm f/1.2 Manual Focus Lens Instruction Manual

Model: 1435

1. INTRODUCTION

This manual provides essential information for the proper use and care of your Nikon AI-S NIKKOR 50mm f/1.2 manual focus lens. This high-performance lens is designed for manual focus operation and is compatible with various Nikon SLR and DSLR camera formats, including FX, DX, FX in DX Crop Mode, and 35mm Film cameras. Please read this manual thoroughly before using the lens to ensure optimal performance and longevity.

What's in the Box

- Nikon AI-S NIKKOR 50mm f/1.2 Fixed Zoom Manual Focus Lens
- LC-52 Snap-on Front Lens Cap
- LF-4 Rear Lens Cap



Figure 1: Front view of the Nikon AI-S NIKKOR 50mm f/1.2 Manual Focus Lens, showing the front element, aperture ring, and focus ring.

2. SETUP

Attaching the Lens

1. Ensure your camera is turned off.
2. Remove the rear lens cap (LF-4) from the lens and the body cap from your camera.
3. Align the mounting index (white dot) on the lens barrel with the mounting index on your camera body.
4. Insert the lens into the camera's lens mount and rotate it counter-clockwise until it clicks into place. Do not force the lens.
5. Remove the front lens cap (LC-52).



Figure 2: Rear view of the Nikon AI-S NIKKOR 50mm f/1.2 Lens, showing the F-mount and aperture lever.

Removing the Lens

1. Turn off your camera.
2. Attach the front lens cap (LC-52).
3. While pressing the lens release button on the camera body, rotate the lens clockwise until it detaches.
4. Attach the rear lens cap (LF-4) to the lens and the body cap to your camera.



Figure 3: The LC-52 Snap-on Front Lens Cap, used to protect the front element of the lens.

3. OPERATING THE LENS

Manual Focus

The AI-S NIKKOR 50mm f/1.2 is a manual focus lens. To focus, rotate the focus ring on the lens barrel until your subject appears sharp in the viewfinder. Many modern Nikon DSLR cameras offer focus confirmation indicators (e.g., a green dot in the viewfinder) to assist with precise manual focusing. For critical focus, especially at wide apertures, consider using Live View mode with magnification.

Aperture Control

The aperture is set manually using the aperture ring located on the lens barrel. Rotate the ring to select your desired f-stop, ranging from f/1.2 (widest) to f/16 (narrowest). When using this lens on compatible Nikon DSLR cameras, set the camera to Manual (M) or Aperture-Priority (A) mode. For some camera models, you may need to set the aperture ring to its smallest opening (highest f-number) and lock it, then control the aperture via the camera body's command dial, if supported. Refer to your camera's manual for specific compatibility and settings for non-CPU lenses.

Compatibility Notes

This lens is compatible with Nikon F-mount cameras, including FX, DX, FX in DX Crop Mode, and 35mm Film SLR cameras. While it can be mounted on many Nikon DSLR bodies, full electronic communication (such as autofocus or automatic exposure control in all modes) is not available. Manual focus and manual aperture control are required. Some camera models may require specific settings to recognize and operate with non-CPU lenses.

4. MAINTENANCE

Cleaning the Lens

- **Lens Elements:** Use a blower brush to remove dust and loose particles. For smudges or fingerprints, apply a small amount of lens cleaning solution to a clean microfiber cloth and gently wipe the lens surface in a circular motion from the center outwards. Avoid applying solution directly to the lens.
- **Lens Body:** Wipe the lens barrel with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth.

Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, consider using a desiccant to prevent mold and mildew.

5. TROUBLESHOOTING

Common Issues and Solutions

- **Lens not focusing:** This is a manual focus lens. Ensure you are rotating the focus ring to achieve focus. Check your camera's focus confirmation indicator if available.

- **Camera not recognizing lens / Exposure issues:** This is a non-CPU lens. Set your camera to Manual (M) or Aperture-Priority (A) mode. For some DSLR models, you may need to register the lens's focal length and maximum aperture in the camera's setup menu (e.g., 'Non-CPU lens data') to enable proper metering and display of aperture in the viewfinder. Ensure the aperture ring is set correctly.
- **Lens difficult to attach/detach:** Ensure the lens and camera mounting indexes are aligned correctly. Do not force the lens. If resistance is felt, re-align and try again. Ensure the lens release button is fully depressed when detaching.

6. SPECIFICATIONS

Feature	Specification
Model Number	1435
Focal Length	50 mm
Maximum Aperture	f/1.2
Minimum Aperture	f/16
Lens Type	Standard, Manual Focus
Compatible Mountings	Nikon F-mount
Compatible Formats	FX, DX, FX in DX Crop Mode, 35mm Film
Product Dimensions	3 x 3 x 3 inches (approximate)
Item Weight	15.5 ounces (approximate)
Front Filter Size	52mm

7. WARRANTY AND SUPPORT

Limited Warranty

This Nikon AI-S NIKKOR 50mm f/1.2 lens comes with a 1-Year Limited Warranty. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects under normal use. For full terms and conditions, please refer to the warranty card included with your product or visit the official Nikon website.

Customer Support

For technical assistance, service, or inquiries regarding your Nikon product, please contact Nikon customer support through their official website or the contact information provided in your product documentation. You can also visit the [Nikon Store on Amazon](#) for more information.

