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› [Nikon](#) /

› Nikon AF-S DX NIKKOR 17-55mm f/2.8G IF-ED Zoom Lens User Manual

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Model: AF-S DX NIKKOR 17-55mm f/2.8G IF-ED

INTRODUCTION

This manual provides comprehensive instructions for the Nikon AF-S DX NIKKOR 17-55mm f/2.8G IF-ED Zoom Lens. This high-performance lens is designed exclusively for use with Nikon DX-format digital SLR cameras. It features a constant maximum aperture of f/2.8 across its 17-55mm focal length range, making it suitable for various photographic applications including wide-angle shots, portraits, and low-light conditions. The lens incorporates advanced optical technologies such as Extra-low Dispersion (ED) glass elements and Aspherical Lens Elements for superior image quality.

PACKAGE CONTENTS

Verify that all the following items are included in your package:

- AF-S DX NIKKOR 17-55mm f/2.8G IF-ED Zoom Lens for Nikon DSLR Cameras
- HB-31 Bayonet Lens Hood
- CL-1120 Soft Case
- LC-77 Front Lens Cap
- LF-4 Rear Lens Cap

FEATURES

- **Constant f/2.8 Aperture:** Provides consistent exposure and shallow depth of field throughout the 17-55mm zoom range.
- **DX Format Optimization:** Specifically designed for Nikon DX-format digital SLR cameras.
- **Dust and Waterproof Sealing:** Features a rubber sealing mount for enhanced durability and protection against environmental elements.
- **High Optical Performance:** Utilizes aspherical lenses and ED (Extra-low Dispersion) glass elements to minimize aberrations and ensure sharpness.
- **Silent Wave Motor (SWM):** Enables fast, accurate, and quiet autofocus operation.
- **M/A Mode:** Allows for quick switching between autofocus and manual operation without changing settings on the camera.
- **Focal Length:** 17-55mm, offering a versatile 3.2x zoom ratio.

- **Maximum Reproduction Ratio:** 0.20x.

SETUP

Attaching the Lens

1. Ensure the camera is turned off.
2. Remove the rear lens cap from the lens and the body cap from the camera.
3. Align the mounting mark on the lens (a white dot) with the mounting mark on the camera body.
4. Rotate the lens counter-clockwise until it clicks into place. Do not force the lens.

Detaching the Lens

1. Ensure the camera is turned off.
2. While pressing the lens release button on the camera body, rotate the lens clockwise until it detaches.
3. Replace the front and rear lens caps on the lens and the body cap on the camera to protect them from dust and damage.



Image: The Nikon AF-S DX NIKKOR 17-55mm f/2.8G IF-ED Zoom Lens. This image shows the overall structure of the lens, including the front lens cap, the zoom ring, and the focus mode switch.

OPERATING THE LENS

Focus Mode Switch

The lens features a focus mode switch with two settings:

- **M/A (Autofocus with Manual Override):** In this mode, the camera focuses automatically. You can manually adjust focus by rotating the focus ring even when autofocus is active, without needing to switch modes on the camera.
- **M (Manual Focus):** In this mode, focus is adjusted manually by rotating the focus ring.

Zoom Ring

Rotate the zoom ring to change the focal length. The current focal length (in millimeters) is indicated by the white line on the lens barrel. The lens covers a range from 17mm (wide-angle) to 55mm (telephoto).



Image: A close-up view of the Nikon AF-S DX NIKKOR 17-55mm f/2.8G IF-ED Zoom Lens, highlighting the focus mode switch (M/A, M) and the zoom ring with focal length markings (17, 20, 24, 28, 35, 45, 55).

MAINTENANCE

- **Cleaning the Lens Surface:** Use a soft, clean microfiber cloth specifically designed for optical lenses. For stubborn smudges, use a small amount of lens cleaning fluid applied to the cloth, not directly to the lens.
- **Cleaning the Lens Body:** Wipe the lens body with a soft, dry cloth. Do not use organic solvents like paint thinner or benzene.
- **Storage:** When not in use, store the lens with both front and rear caps attached in its soft case, away from direct sunlight, heat, and humidity. Avoid storing with mothballs or camphor.
- **Dust and Moisture:** The lens features a dust and waterproof rubber sealing mount. However, avoid exposing the lens to excessive dust or moisture. If it gets wet, wipe it dry immediately.

TROUBLESHOOTING

- **Autofocus Not Working:**
 - Ensure the lens focus mode switch is set to M/A.
 - Check camera settings to ensure autofocus is enabled.
 - Verify the lens is securely attached to the camera body.
- **Images are Blurry:**
 - Check if the lens is properly focused. In M/A mode, ensure manual override is not accidentally engaged.
 - Clean the front and rear lens elements for smudges or dust.
 - Ensure shutter speed is appropriate for the lighting conditions to prevent camera shake.
- **Lens Not Recognized by Camera:**
 - Turn off the camera, detach the lens, and reattach it securely.
 - Clean the electrical contacts on both the lens and camera body with a clean, dry cloth.

SPECIFICATIONS

Attribute	Value
Brand	Nikon
Model Name	2147
Focal Length	17-55 millimeters
Maximum Focal Length	55 Millimeters
Minimum Focal Length	17 Millimeters
Lens Type	Standard Zoom
Compatible Mountings	Nikon F (DX)
Focus Type	Ultrasonic (Silent Wave Motor)
Minimum Aperture	f/22

Number of Diaphragm Blades	9
Photo Filter Size	77 Millimeters
Zoom Ratio	3.2x
Real Angle Of View	79 Degrees
Lens Coating Description	Super Integrated Coating
Item Weight	755 Grams
UPC	018208021475

WARRANTY AND SUPPORT

This product comes with a 90-day parts and labor warranty. For warranty claims, technical support, or service inquiries, please contact Nikon customer service or visit the official Nikon website.

For additional information and support, you can visit the [Nikon Store on Amazon](#).