

[Manuals.plus](#) /

› [Pentax](#) /

› Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens Instruction Manual

Pentax HD PENTAX D-FA 150-450mm F4.5-5.6ED DC AW

Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens Instruction Manual

Comprehensive guide for setup, operation, and maintenance of your Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens.

INTRODUCTION

This manual provides essential information for the safe and effective use of your Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens. Please read this manual thoroughly before using the lens and retain it for future reference.



Figure 1: Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens.

The Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens is designed for Pentax KAF cameras, offering a versatile focal length range for various photographic applications, including wildlife, aircraft, and sports. It features advanced optical elements and robust construction for reliable performance in diverse conditions.

WHAT'S IN THE BOX

Upon opening the package, verify that all the following items are included:

- Pentax HD D FA 150-450mm f4.5-5.6ED DC AW Super-Telephoto Lens
- Front Lens Cap
- Rear Lens Mount Cap
- Lens Hood
- Lens Case

- Instruction Manual (this document)

SETUP

Attaching the Lens to Your Camera

1. Ensure both the camera and the lens are powered off.
2. Remove the rear lens mount cap from the lens and the body cap from your camera.
3. Align the red mounting index on the lens with the corresponding index on the camera body.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks into place.
5. Attach the lens hood by aligning its mark with the lens hood mark on the lens and twisting until it locks.

Using the Tripod Mount Bracket

The lens includes a detachable tripod mount bracket for stable shooting, especially given its size and weight. This bracket features an integrated lock mechanism to secure the lens.





Figure 2: The Pentax HD D FA 150-450mm lens showing the tripod mount bracket.

To attach the lens to a tripod, secure the tripod mount bracket directly to your tripod's quick-release plate or head. Ensure the locking mechanism is engaged to prevent accidental detachment.

OPERATING THE LENS

Focal Length and Zoom

This super-telephoto zoom lens covers a focal length range from 150mm to 450mm. Rotate the zoom ring to adjust the focal length. The lens is designed to be compact and light enough for handheld use during long-range shooting, but a tripod is recommended for optimal stability at longer focal lengths.



Figure 3: Close-up view of the lens control rings, including zoom and focus.

Focusing

The lens features an Auto Focus (AF) system driven by a built-in DC motor, providing smooth and quiet operation.

- **Quick Shift Focus System:** This system allows for instant switching from autofocus to manual focus. After the camera's AF system achieves focus, hold the shutter release button halfway down and turn the focus ring to fine-tune focus manually.
- **AF Buttons:** Four AF buttons are installed on the lens barrel, one at every 90 degrees. These buttons provide stable AF operation regardless of the camera's orientation, useful for both horizontal and vertical shooting.

In-Camera Shake Reduction (SR)

PENTAX digital SLR K series cameras are equipped with a built-in SR mechanism. This means that any lens compatible with K Series cameras, including this one, benefits from in-camera image stabilization, reducing blur caused by camera shake.



Figure 4: Diagram illustrating the in-body Shake Reduction (SR) mechanism in Pentax K-series cameras.

MAINTENANCE AND CARE

Lens Coatings

- **HD Coating:** This high-grade coating produces sharp, high-contrast images and effectively minimizes flare and ghosting, even in challenging lighting conditions like backlighting.
- **Super Protect (SP) Coating:** The front surface of the lens features an SP coating, which repels dust, water, and grease, making it easier to clean.



Figure 5: Illustration demonstrating the effectiveness of Super Protect (SP) Coating against dirt adhesion and for easy wipe-off.

All Weather (AW) Construction

The lens features a dependable dustproof and weather-resistant structure with eight special seals. This design prevents the intrusion of water and dust into the lens interior, making it suitable for use in demanding outdoor conditions. While weather-resistant, avoid prolonged exposure to heavy rain or direct water submersion.



Figure 6: Diagram highlighting the All Weather (AW) sealing points for dust and moisture resistance.

Cleaning

Use a soft, lint-free cloth to clean the lens surfaces. For stubborn smudges, use a lens cleaning solution specifically

designed for optical elements. Avoid using abrasive materials or harsh chemicals.

SPECIFICATIONS

Feature	Description
Brand	Pentax
Model Name	HD PENTAX D-FA 150-450mm F4.5-5.6ED DC AW
Focal Length	150-450mm
Lens Type	Super-Telephoto Zoom
Maximum Aperture	f/4.5-5.6
Minimum Aperture	f/22
Compatible Mountings	Pentax KAF
Focus Type	Auto Focus (DC Motor)
Image Stabilization	In-camera (SR mechanism in Pentax K series bodies)
Lens Coating	HD Coating, Super Protect (SP) Coating
Weather Resistance	All Weather (AW) construction
Filter Size	86mm
Number of Diaphragm Blades	9
Item Weight	5.1 Pounds (approx. 2.3 kg)

WARRANTY INFORMATION

This Pentax lens comes with a **1-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included with your product or visit the official Pentax website.

© 2026 Pentax. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question