

[manuals.plus](#) /

- › [Fujifilm](#) /
- › [Fujifilm GF45mmF2.8 R WR Lens Instruction Manual](#)

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Model: GF45mmF2.8 R WR Lens

INTRODUCTION

The FUJINON GF45mmF2.8 R WR Lens is a versatile wide-angle lens designed for the Fujifilm GFX system. It features a focal length equivalent to 36mm in 35mm format and a maximum aperture of F2.8. This lens is built with a compact and lightweight design, making it suitable for various photography styles, including street and documentary. It incorporates advanced optical technology, including Nano GI coating, to deliver high image quality with reduced ghosting and flare. The lens is also weather and dust resistant, capable of operating in temperatures as low as -10°C, ensuring reliability in challenging environments.



Figure 1: Front-angle view of the Fujifilm GF45mmF2.8 R WR Lens. This image shows the lens barrel, aperture ring, and the front element with the FUJINON GF LENS 45mm 1:2.8 R WR Ø62 markings.

SETUP

Attaching the Lens

1. Ensure the camera is turned off.
2. Remove the rear lens cap from the GF45mmF2.8 R WR lens and the body cap from the camera.
3. Align the mounting marks (white dots) on the lens and the camera body.
4. Insert the lens into the camera's lens mount and rotate it clockwise until it clicks into place. Do not force the lens.

Removing the Lens

1. Ensure the camera is turned off.
2. While pressing the lens release button on the camera body, rotate the lens counter-clockwise until it stops.
3. Carefully remove the lens from the camera body.
4. Attach the rear lens cap to the lens and the body cap to the camera to protect them from dust and damage.

Attaching the Lens Hood

Align the red dot on the lens hood with the red dot on the front of the lens. Rotate the hood clockwise until it clicks into place. The lens hood helps to reduce flare and protect the front element of the lens.



Figure 2: Side view of the Fujifilm GF45mmF2.8 R WR Lens. This view highlights the textured grip and the aperture ring with f-stop markings.

OPERATING THE LENS

Aperture Control

The GF45mmF2.8 R WR lens features an aperture ring with marked f-stops from F2.8 to F32, and an 'A' (Auto) position. It also includes a 'C' (Command Dial) position. When the aperture ring is set to 'A', the camera automatically controls the aperture. When set to 'C', the aperture can be adjusted using the camera's command dial, allowing for flexible control based on photographer preference.

Autofocus and Manual Focus

This lens supports both autofocus (AF) and manual focus (MF). The focus mode can be selected via the camera body. For autofocus, ensure the camera's focus mode is set to AF. For manual focus, set the camera's focus mode to MF and rotate the focus ring on the lens to achieve desired sharpness. The lens features internal focusing, meaning its length does not change during focusing.

Weather Resistance

The GF45mmF2.8 R WR lens is designed with weather and dust resistance, making it suitable for use in various outdoor conditions, including temperatures as low as -10°C. While resistant, it is recommended to avoid prolonged exposure to heavy rain or extreme conditions. Always ensure the lens is properly mounted to a weather-sealed camera body for optimal protection.

MAINTENANCE AND CARE

Cleaning the Lens

- **Lens Elements:** Use a blower brush to remove dust and debris. For smudges or fingerprints, use a clean, soft microfiber cloth specifically designed for optics, along with a small amount of lens cleaning solution. Wipe gently in a circular motion from the center outwards.
- **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. Avoid using organic solvents like thinner or benzene.
- **Fluorine Coating:** The front element features a fluorine coating, which repels water and dirt, making it easier to clean.

Storage

When not in use, store the lens with both front and rear caps attached in a cool, dry place away from direct sunlight and high humidity. If storing for extended periods, consider using a dehumidifying cabinet or silica gel packets to prevent mold and mildew growth.

TROUBLESHOOTING

Common Issues and Solutions

- **Lens not recognized by camera:** Ensure the lens is securely mounted to the camera body. Turn the camera off and on again. Clean the lens and camera electrical contacts with a dry, soft cloth.
- **Autofocus not working:** Check that the camera's focus mode is set to AF. Ensure there is sufficient light and contrast in the scene for the autofocus system to operate effectively.
- **Image quality issues (e.g., blur, softness):** Verify that the lens elements are clean. Check camera settings such as shutter speed and ISO to avoid motion blur or noise. Ensure proper focus.
- **Lens not responding:** Turn off the camera, remove the battery, wait a few moments, then reinsert the battery and turn the camera back on. If the issue persists, consult the camera's instruction manual or Fujifilm support.

For more detailed troubleshooting, refer to your camera's instruction manual or visit the official Fujifilm support

website.

SPECIFICATIONS

Feature	Detail
Model Name	FUJINON GF45mmF2.8 R WR Lens
Focal Length	45mm (36mm equivalent in 35mm format)
Maximum Aperture	F2.8
Minimum Aperture	F32
Lens Construction	11 elements in 8 groups (including 1 aspherical lens and 2 ED lenses)
Filter Size	Ø62mm
Dimensions (Diameter x Length)	3.46 x 3.3 x 3.3 inches (Product Dimensions)
Weight	490g (approx. 1.08 lbs)
Mount Type	Fujifilm G Mount
Weather Resistance	Dust and weather resistant, operates down to -10°C (14°F)
Special Features	Nano GI coating, Fluorine coating on front element, Internal focusing, Aperture ring with 'C' position



Figure 3: Top-down view of the Fujifilm GF45mmF2.8 R WR Lens. This perspective shows the lens's compact form factor and the GF FUJINON branding.

WARRANTY AND SUPPORT

Manufacturer's Warranty

This Fujifilm product is covered by a manufacturer's warranty. The specific terms and duration of the warranty may vary by region. Please refer to the warranty card included with your product or visit the official Fujifilm website for detailed warranty information and registration procedures.

Customer Support

For technical assistance, service, or inquiries regarding your Fujifilm GF45mmF2.8 R WR Lens, please contact Fujifilm customer support. Contact information can typically be found on the official Fujifilm website or in the documentation provided with your product.

Official Fujifilm Website: www.fujifilm.com