

Irix IL-11FF-EF

Irix 11mm f/4.0 Firefly Lens with Built-in AE Chip for Canon EF

User Manual

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Irix 11mm f/4.0 Firefly Lens with Built-in AE Chip for Canon EF. Please read this manual thoroughly before using the lens to ensure optimal performance and longevity.

The Irix 11mm f/4.0 Firefly is a manual focus, ultra-wide-angle lens designed for full-frame cameras with a Canon EF mount. It features a built-in AE chip for electronic communication with the camera, allowing for aperture control directly from the camera body and focus confirmation.

2. SAFETY INFORMATION

- Do not expose the lens to extreme temperatures, humidity, or direct sunlight for extended periods.
- Avoid dropping or subjecting the lens to strong impacts.
- Keep the lens away from strong magnetic fields.
- Do not attempt to disassemble or modify the lens. Repairs should only be performed by authorized service personnel.
- Use a soft, lint-free cloth for cleaning optical surfaces.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Irix 11mm f/4.0 Firefly Lens (Canon EF Mount)
- Front Lens Cap
- Rear Lens Cap
- Soft Lens Pouch
- Instruction Manual



Image: Irix 11mm f/4.0 Firefly Lens and soft lens pouch.

4. PRODUCT OVERVIEW

The Irix 11mm f/4.0 Firefly lens is designed for precision and durability. Key features include:

- **Focus Ring Locking:** A dedicated ring allows you to lock the focus at a desired position.
- **Hyperfocal Scale:** Provides a visual guide for setting the hyperfocal distance, useful for landscape photography.
- **Infinity Click:** A tactile click at the infinity focus point for quick and accurate setting, especially in low light.
- **Weather Sealing:** Offers resistance against dust and moisture.
- **Neutrino Coating:** Reduces ghosting and lens flare.
- **Built-in Petal Style Lens Hood:** Provides protection and reduces stray light.



Image: Front view of the Irix 11mm f/4.0 Firefly Lens.



Image: Detail of the focus lock mechanism.

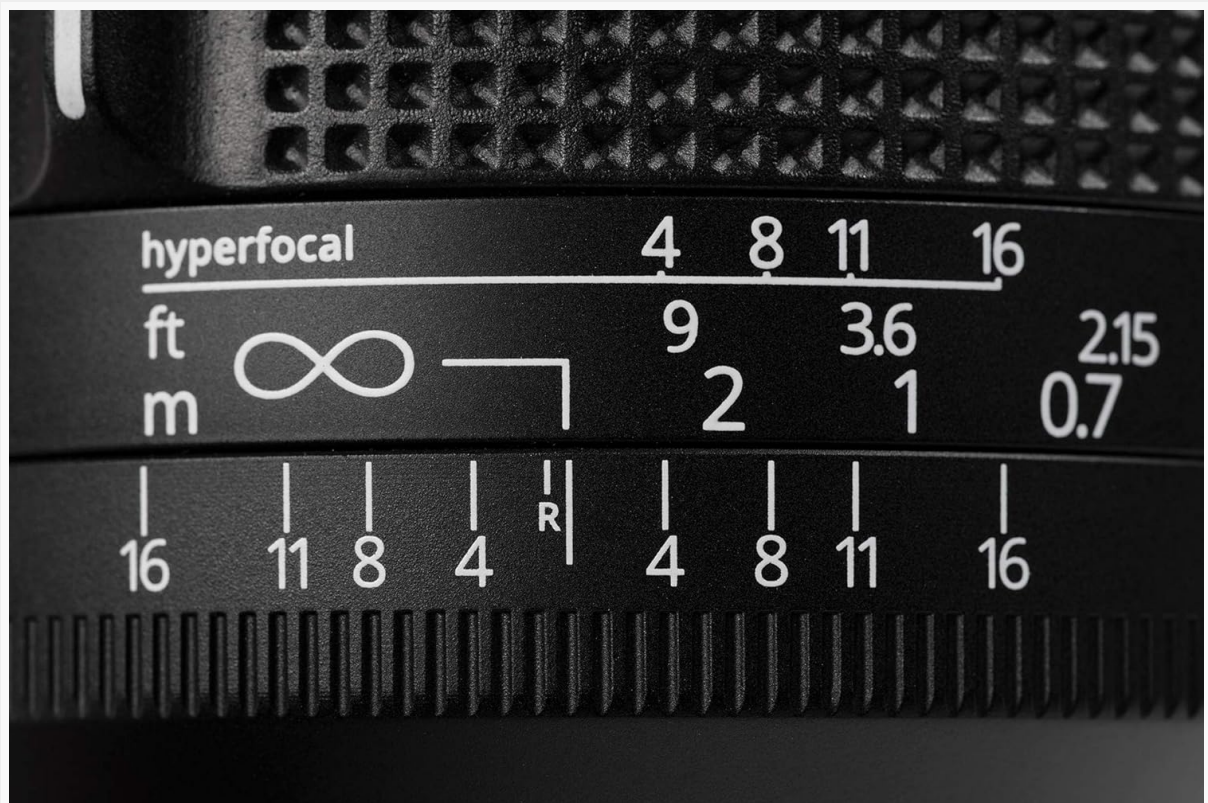


Image: Detail of the hyperfocal scale and infinity click.

5. SETUP

5.1 Attaching the Lens

1. Ensure your camera is turned off.
2. Remove the rear lens cap from the Irix lens and the body cap from your camera.

3. Align the red dot on the lens barrel with the red dot on your camera's lens mount.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks into place.
5. Turn on your camera. The built-in AE chip will communicate with the camera for aperture control and focus confirmation.

5.2 Detaching the Lens

1. Ensure your camera is turned off.
2. Press and hold the lens release button on your camera body.
3. Rotate the lens counter-clockwise until it detaches from the camera body.
4. Attach the front and rear lens caps to protect the lens elements.



Image: Rear view of the lens, highlighting the Canon EF mount.

6. OPERATING THE LENS

6.1 Manual Focus

The Irix 11mm f/4.0 Firefly is a manual focus lens. Rotate the focus ring to adjust the focus. The built-in AE chip provides focus confirmation through your camera's viewfinder or live view, indicating when your subject is in sharp focus.

6.2 Infinity Click

The lens features an audible and tactile 'infinity click' that helps you quickly set the focus to infinity without needing to look at the focus scale. This is particularly useful for astrophotography or landscape shots where distant subjects need to be sharp.

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Video: Demonstration of the Irix lens infinity click feature. This video shows the feature on a 15mm lens, but the functionality is identical for the 11mm lens.

6.3 Hyperfocal Scale

Utilize the hyperfocal scale on the lens barrel to maximize depth of field. By setting the focus to the hyperfocal distance, you can achieve sharp focus from half that distance to infinity.

6.4 Aperture Control

Thanks to the built-in AE chip, the aperture of the Irix 11mm f/4.0 Firefly lens can be controlled directly from your camera body, just like an autofocus lens. This allows for seamless integration with your camera's exposure modes.

7. MAINTENANCE

7.1 Cleaning the Lens

- Use a blower brush to remove dust from the lens surface.
- For smudges or fingerprints, apply a small amount of lens cleaning solution to a microfiber cloth and gently wipe the lens in a circular motion.
- Never apply cleaning solution directly to the lens element.
- Clean the lens mount contacts with a dry, soft cloth if necessary.

7.2 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 an extended period, consider using a dehumidifying agent to prevent mold growth.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Difficulty achieving sharp focus	Incorrect manual focus setting.	Utilize your camera's focus peaking or magnification features for precise manual focusing. Ensure the focus lock ring is disengaged.
Aperture not controllable from camera	Poor contact between lens and camera.	Ensure the lens is securely mounted. Clean the electronic contacts on both the lens and camera with a dry, soft cloth.
Purple fringing or color aberrations	Common with ultra-wide lenses, especially in high-contrast areas.	These can often be corrected in post-processing software (e.g., Lightroom, Photoshop) using chromatic aberration removal tools.
Lens feels loose on camera mount	Lens not fully engaged.	Re-mount the lens, ensuring it clicks securely into place.

9. SPECIFICATIONS


Feature	Detail
Model Number	IL-11FF-EF
Focal Length	11mm
Maximum Aperture	f/4.0
Minimum Aperture	f/22
Lens Type	Ultra-Wide Angle, Rectilinear
Compatible Mountings	Canon EF
Optical Construction	16 elements in 10 groups (includes 4 high refractive, 2 ED, and 3 aspherical lenses)
Field of View	126°
Diaphragm Blades	9 (rounded)
Focus Type	Manual Focus
Special Features	Focus Lock, Infinity Click, Hyperfocal Scale, Weather Sealed, Neutrino Coating, Built-in AE Chip
Product Dimensions	3.94 x 5.51 x 3.94 inches
Item Weight	1.32 pounds
Country of Origin	Korea, Republic Of (South)

10. WARRANTY AND SUPPORT

Irix products are manufactured to high standards. For warranty information and technical support, please refer to the official Irix website or contact your local Irix distributor. Keep your proof of purchase for warranty claims.






For additional resources and product information, visit the [Irix Store on Amazon](#).

Related Documents - IL-11FF-EF



[Irix Lenses and Filters: Product Range and Technologies](#)

Explore the Irix product range, featuring high-performance wide-angle and macro lenses, alongside the innovative Irix Edge filter system. Discover advanced technologies designed for professional photographers.

	<p>CommLite CM-EF-EOS R Lens Adapter User Manual - EF to EOS R AF Mount</p> <p>Comprehensive user manual for the CommLite CM-EF-EOS R Electronic AF Lens Mount Adapter, detailing features, installation, and specifications for Canon EF/EF-S lenses on EOS R RF-mount cameras.</p>
	<p>Rokinon AF 85mm F1.4 EF Lens for Canon EF Mount: Instruction Manual</p> <p>Comprehensive instruction manual for the Rokinon AF 85mm F1.4 EF lens, detailing features, advantages, cautions, cleaning, attachment, detachment, parts, focusing, filter mounting, lens hood usage, product specifications, and contact information for Canon EF mount cameras.</p>
	<p>Canon EF-S Lens User Manuals: EF-S10-18mm f/4.5-5.6 IS STM and EF-S 24mm f/2.8 STM</p> <p>Comprehensive user manuals for Canon EF-S10-18mm f/4.5-5.6 IS STM and Canon EF-S 24mm f/2.8 STM lenses, covering features, operation, safety, specifications, and troubleshooting.</p>
	<p>Canon RF-S55-210mm F5-7.1 IS STM Lens: Instructions, Specifications, and Warranty</p> <p>Comprehensive guide for the Canon RF-S55-210mm F5-7.1 IS STM interchangeable lens, including safety instructions, detailed specifications, nomenclature, warranty information, and customer support details.</p>
	<p>Rokinon 50mm T1.5 AS UMC Lens Instruction Manual</p> <p>Instruction manual for the Rokinon 50mm T1.5 AS UMC lens, providing detailed information on component names, lens attachment and detachment, focus adjustment, brightness control, hood mounting, camera settings for various mounts, technical specifications, troubleshooting guide, and essential safety precautions.</p>