Sony SEL85F14GM2

Sony FE 85mm F1.4 GM II Lens Instruction Manual

Introduction

Thank you for purchasing the Sony FE 85mm F1.4 GM II lens. This instruction manual provides essential information for the safe and effective use of your lens. Please read this manual thoroughly before using the product and retain it for future reference.

The FE 85mm F1.4 GM II lens is a high-performance G Master prime lens designed for Sony E-mount cameras. It features advanced optical elements and motor technology to deliver exceptional resolution, stunning bokeh, and fast, precise autofocus performance. Its compact and lightweight design makes it suitable for various photographic and videographic applications.

What's in the Box

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

- Lens (Sony FE 85mm F1.4 GM II)
- Lens Hood
- Lens Front Cap
- Lens Rear Cap
- Soft Carrying Bag
- Bag Strap

Lens Parts and Controls

Familiarize yourself with the various parts and controls of your lens for optimal operation.



This image displays the left side of the Sony FE 85mm F1.4 GM II lens, highlighting the textured focus ring, the aperture ring with F-stop markings, and the AF/MF switch for selecting autofocus or manual focus.



This image shows the right side of the Sony FE 85mm F1.4 GM II lens, featuring the 'SONY' logo, the 'IRIS LOCK' switch to prevent accidental aperture changes, and the 'CLICK ON/OFF' switch to enable or disable aperture click stops.

- **Focus Ring:** Used for manual focusing.
- **Aperture Ring:** Adjusts the aperture (f-number).
- **AF/MF Switch:** Toggles between Autofocus and Manual Focus modes.
- **IRIS LOCK Switch:** Locks the aperture ring at a specific setting or allows free rotation.
- **Aperture Click Switch (ON/OFF):** Enables or disables the click stops on the aperture ring. 'ON' is suitable for still photography, 'OFF' for smooth aperture transitions during video recording.

Setup

Attaching the Lens

1. Ensure the camera is turned off.
2. Remove the rear lens cap and the camera body cap.
3. Align the white index mark on the lens barrel with the white index mark on the camera body (E-mount).
4. Mount the lens by rotating it clockwise until it clicks into place. Do not force the lens.



The Sony FE 85mm F1.4 GM II lens is shown securely attached to a compatible Sony Alpha mirrorless camera body, demonstrating how the lens appears when ready for use.

Attaching the Lens Hood

The lens hood helps to block unwanted light and protect the lens. Align the red dot on the lens hood with the red dot on the lens, then rotate the hood clockwise until it locks into place. To remove, press the release button on the hood and rotate counter-clockwise.

Operating the Lens

Focus Mode Selection (AF/MF)

Use the AF/MF switch on the lens barrel to select your desired focus mode. Set to 'AF' for autofocus, or 'MF' for manual focus. When in MF mode, rotate the focus ring to adjust focus manually.

Aperture Control

The aperture can be adjusted using the aperture ring on the lens. The lens features a wide F1.4 maximum aperture for excellent low-light performance and shallow depth of field. The 11-blade circular aperture contributes to smooth,

natural-looking bokeh.

The IRIS LOCK switch can be used to prevent accidental changes to the aperture setting. Set it to the locked position to fix the aperture, or unlock it for free adjustment.

Aperture Click Switch

The CLICK ON/OFF switch controls the click stops of the aperture ring. Set to 'ON' for tactile feedback when changing aperture, which is useful for still photography. Set to 'OFF' for smooth, silent aperture transitions, ideal for video recording.

Minimum Focus Distance

The minimum focus distance for this lens is approximately 0.85 meters (2.79 feet) in autofocus (AF) mode and 0.80 meters (2.63 feet) in manual focus (MF) mode.



This image illustrates the Sony FE 85mm F1.4 GM II lens being held by a hand, providing a sense of its physical size and how a user would typically grip it during operation or attachment.

Maintenance

Cleaning the Lens

- The front lens element features a fluorine coating that repels fingerprints, dust, water, and oil.
- Use a soft, clean lens cloth to gently wipe the lens surface. For stubborn smudges, use a lens cleaning solution specifically designed for optical elements.
- Never use abrasive materials or strong chemical cleaners.
- Clean the lens barrel with a soft, 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.
- Avoid storing the lens in areas with high humidity to prevent mold growth.

Troubleshooting

If you encounter issues with your lens, consider the following common solutions:

- **Lens not recognized by camera:** Ensure the lens is securely mounted and the camera is turned on. Clean the lens and camera contacts with a dry cloth.
- **Autofocus not working:** Check if the AF/MF switch on the lens is set to 'AF'. Ensure your camera's focus mode is set to autofocus.
- **Image quality issues (e.g., blurry images):** Verify that the lens and camera sensor are clean. Check your camera's focus settings and ensure proper focus acquisition. Ensure the lens is not damaged.
- **Aperture not changing:** Check the IRIS LOCK switch. If it's engaged, disengage it to allow aperture adjustment.

For persistent issues, refer to your camera's instruction manual or contact Sony customer support.

Specifications

Model Number	SEL85F14GM2
Brand	Sony
Focal Length	85 millimeters
Lens Type	Telephoto Prime
Compatible Mountings	Sony E-mount
Maximum Aperture	F1.4
Minimum Focus Distance (AF)	0.85 m (2.79 ft)
Minimum Focus Distance (MF)	0.80 m (2.63 ft)
Optical Elements	2 XA (extreme aspherical) elements, 2 ED (Extra-low Dispersion) glass elements
Coatings	Nano AR Coating II, Fluorine coating on front element
Autofocus System	Two XD (extreme dynamic) linear motors
Product Dimensions (Approx.)	4.25 x 3.38 x 3.37 inches (107.3 x 84.7 x 85.9 mm)
Item Weight (Approx.)	1 pound (642 g)

Warranty and Support

This product is a Certified Refurbished item. It is manufacturer refurbished, shows limited or no wear, and includes

all original accessories plus a 90-day limited hardware warranty. Please retain your proof of purchase for warranty claims.

For technical support, service, or further inquiries regarding your Sony FE 85mm F1.4 GM II lens, please visit the official Sony support website or contact Sony customer service directly. Contact information can typically be found on the Sony website for your region.

Always refer to the official Sony documentation and support channels for the most accurate and up-to-date information.

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