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7artisans MI24070401

# 7artisans AF 85mm F1.8 Lens for Sony E-Mount Instruction Manual

Navigate through sections for detailed product information.

## INTRODUCTION

This manual provides detailed instructions for the proper use and care of your 7artisans AF 85mm F1.8 full-frame camera lens. Designed for Sony E-mount cameras, this lens features a large F1.8 aperture, STM autofocus motor, and a versatile 85mm focal length, making it suitable for various photographic applications including portraiture and street photography.



Image: The 7artisans AF 85mm F1.8 lens, lens hood, front and rear caps, and USB-C cable, alongside its retail packaging.

# All-around Photography and Videography

Quiet and smooth high-frequency shooting



Image: The 7artisans AF 85mm F1.8 lens held in hand, illustrating its compact design and a weight of approximately 437.5 grams, contributing to a lightweight setup.

## SETUP

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### Attaching the Lens

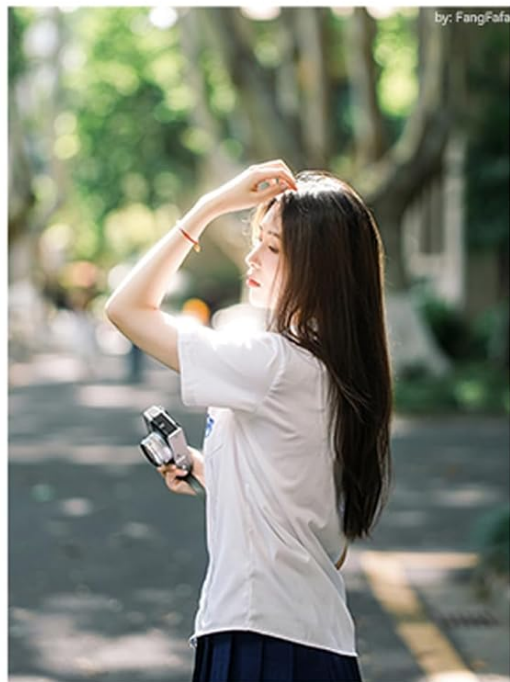
1. Ensure your camera is powered off before attaching or detaching the lens.
2. Align the white index mark on the lens barrel with the corresponding white index mark on your camera's lens mount.
3. Rotate the lens clockwise until it clicks into place. Do not force the lens.

### Detaching the Lens

1. Ensure your camera is powered off.
2. While pressing the lens release button on your camera body, rotate the lens counter-clockwise until it stops.
3. Gently remove the lens from the camera body.
4. Attach the front and rear lens caps to protect the lens elements.

# F/1.8 Large Aperture Design

Easily achieve a beautiful background blur effect, making the picture dream like. The image quality remains outstanding in the night scene environment and is not afraid of low light environments.



7Artisans

AF 85mm F1.8

● F/1.8 1/320s ISO100



7Artisans

AF 85mm F1.8

● F/1.8 1/125s ISO200

Image: The 7artisans AF 85mm F1.8 lens attached to a Sony E-mount camera body, demonstrating proper mounting.

## OPERATING THE LENS

### Focus Modes (AF/MF Switch)

The lens features an AF/MF switch on its barrel, allowing you to select between autofocus (AF) and manual focus (MF) modes.

- **AF (Autofocus):** In this mode, the lens uses its STM stepper motor for automatic focusing. This mode supports advanced camera features like face and eye detection for precise subject tracking.
- **MF (Manual Focus):** In this mode, you manually adjust the focus ring to achieve desired sharpness. This is useful for precise control in specific photographic situations.

# 7Artisans

**AF** 85mm F1.8 STM

**E** mount Full-frame

Medium telephoto  
portrait lens

Autofocus· STM stepper motor



Image: A detailed view of the lens barrel, highlighting the AF/MF switch and the focus ring for mode selection.

## Aperture Control

The lens features a bright F1.8 maximum aperture, ideal for low-light conditions and creating shallow depth of field with pleasing background blur (bokeh). The aperture can be controlled via the camera body or, if available, through a dedicated aperture ring on the lens (check your specific camera model for compatibility with lens aperture rings).

Why choose **AF 85mm f/1.8**

7 Groups of 10 Optical Elements

F1.8 Large Aperture

Auto Focus

Soft Bokeh

Fn Custom Button

437.5g

Lightweight

Image: Two sample photographs illustrating the shallow depth of field and smooth background blur achievable with the F1.8 aperture.

## Custom FN Button

The AF 85mm F1.8 lens is equipped with a customizable FN button. This button can be programmed via your camera's menu system to quickly access various functions or perform shortcut operations, such as focus hold.

# 7 Groups and 10 Elements in Optical Design

Effectively reduce ghosting and glare

Includes 2 ED lenses and 2 high-refractive glass; uses nano-crystal coating and carefully considered optical design to effectively reduce ghosting and glare



Image: A close-up view of the lens showing the FN custom button, which can be assigned various functions.

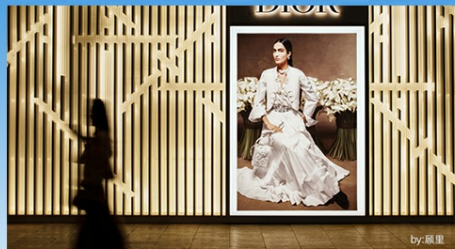
## Face/Eye Recognition Autofocus

When used with compatible Sony E-mount cameras, this lens supports face and eye recognition autofocus. This feature allows the camera to automatically detect and focus on the subject's face or eyes, ensuring sharp portraits and accurate exposure.

# FOR



Portraits



Sweep the street  
& record life



Scenery  
Shooting

Image: Visual representation of the camera's face and eye detection system actively focusing on a subject's eye.

## 85mm Focal Length for Portraiture

The 85mm focal length is considered ideal for portrait photography, providing a natural perspective and excellent subject isolation. It allows for a comfortable working distance from the subject while compressing the background slightly, enhancing the overall aesthetic of portraits.



Image: A sample portrait photograph demonstrating the characteristic subject isolation and pleasing background blur achieved with an 85mm prime lens.

## MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth or a lens brush to remove dust from the lens surfaces. For smudges or fingerprints, use a specialized lens cleaning solution and a microfiber cloth. Avoid touching the glass elements directly with your fingers.
- **Storage:** When not in use, store the lens with both front and rear caps attached in a dry, dust-free environment. Avoid extreme temperatures and high humidity.

- **Handling:** Always handle the lens carefully. Avoid dropping or subjecting it to strong impacts, which can damage the optical elements or internal mechanisms.
- **Firmware Updates:** The lens features a USB-C port for firmware updates. Periodically check the 7artisans official website for available firmware updates to ensure optimal performance and compatibility.

## TROUBLESHOOTING

| Problem                                       | Possible Cause                                                                                             | Solution                                                                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Lens not recognized by camera.                | Lens not properly mounted; camera firmware outdated.                                                       | Re-attach the lens securely. Ensure camera firmware is up to date.                                                                                |
| Autofocus is slow or hunts excessively.       | Low light conditions; subject lacks contrast; camera AF settings; lens firmware outdated.                  | Ensure adequate lighting. Use a high-contrast subject. Adjust camera AF mode (e.g., single-shot AF for static subjects). Update lens firmware.    |
| Autofocus motor noise during video recording. | Normal operation for some STM motors; internal microphone picking up sound.                                | Use an external microphone placed away from the camera/lens. Consider manual focus for silent operation if audio is critical.                     |
| Images appear soft or out of focus.           | Incorrect focus point; camera shake; lens aperture too wide (shallow depth of field); dirty lens elements. | Verify focus point. Use a faster shutter speed or tripod. Stop down the aperture (e.g., F2.8 or F4) for more depth of field. Clean lens elements. |

## SPECIFICATIONS

| Feature                  | Detail                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand                    | 7artisans                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model Name               | 85mm F1.8                                                                                                                                                                                                                                                                                                                                                                                                  |
| Model Number             | MI24070401                                                                                                                                                                                                                                                                                                                                                                                                 |
| Focal Length             | 85mm (Fixed)                                                                                                                                                                                                                                                                                                                                                                                               |
| Maximum Aperture         | F1.8                                                                                                                                                                                                                                                                                                                                                                                                       |
| Minimum Aperture         | F1.8                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lens Mount               | Sony E-Mount                                                                                                                                                                                                                                                                                                                                                                                               |
| Compatible Camera Mounts | Sony FX/a1/a9/a7m/a7r/a7s/a7c/zve/a6000/a5000/a3000/nex series (e.g., FX3, FX30, a1, a9III, a7m4, a7r5, a7r4a, a7r3a, a7s3, a7cr, a7c2, a7c, zve1, zve10 II, zv-1 II, zve10, a6700, a9II, a9, a7m3, a7m2, a7m, a7r4, a7r3, a7r2, a7r, a7s2, a7s, a7 III, a6600, a6500, a6400, a6300, a6100, a6000, a5100, a5000, a3500, a3000, nex-7, nex-6, nex-5t, nex-5r, nex-5n, nex-5, nex-3n, nex-f3, nex-c3, nex-3) |

| Feature                | Detail                                                                            |
|------------------------|-----------------------------------------------------------------------------------|
| Lens Design            | Prime                                                                             |
| Focus Type             | Auto/Manual (STM Stepper Motor)                                                   |
| Optical Elements       | 7 Groups, 10 Elements (includes 2 ED lenses and 2 high-refractive glass elements) |
| Diaphragm Blades       | 11                                                                                |
| Filter Size            | 62mm                                                                              |
| Angle of View          | 46.8 Degrees                                                                      |
| Image Stabilization    | No image stabilization                                                            |
| Water Resistance Level | Not Water Resistant                                                               |

# 85mm Best Focal Length for Portraits

This is an 85mm prime lens that will thrill and inspire those who shoot portraits, headshots, fashion, weddings, tight video shots, street photography or any situation that highlights the human form.



Image: An exploded view illustrating the internal optical design of the 7artisans AF 85mm F1.8 lens, showing its 7 groups and 10 elements.

## PRODUCT OVERVIEW VIDEO

Your browser does not support the video tag.

Video: An official overview of the 7artisans AF 85mm F1.8 camera lens, demonstrating its features and capabilities in various shooting scenarios.

## WARRANTY INFORMATION

This 7artisans AF 85mm F1.8 lens comes with a one-year warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear. For detailed warranty terms and conditions, please refer to the official 7artisans website or contact customer support.

## SUPPORT

For further assistance, technical support, or inquiries regarding your 7artisans AF 85mm F1.8 lens, please visit the official 7artisans brand store or contact their customer service department.

**Online Support:** [7artisans Official Store on Amazon](#)

### ASK A QUESTION ABOUT THIS MANUAL

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Anonymous

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you@example.com

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**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

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