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> Tamron 17-28mm f/2.8 Di III RXD Lens Instruction Manual for Sony E-Mount

**Tamron AFA046S700**

# Tamron 17-28mm f/2.8 Di III RXD Lens Instruction Manual for Sony E-Mount

## 1. INTRODUCTION

This manual provides essential information for the proper use and care of your Tamron 17-28mm F/2.8 Di III RXD (Model A046) lens. This high-performance, large-aperture ultra wide-angle zoom lens is specifically designed for Sony E-mount full-frame mirrorless cameras. Its compact and lightweight design, combined with a constant f/2.8 aperture, makes it suitable for a wide range of photographic and videographic applications, including landscapes, architecture, and vlogging.

The lens is compatible with advanced camera features such as Fast Hybrid AF and Eye AF, ensuring optimal performance with your Sony mirrorless camera system.

## 2. PRODUCT OVERVIEW

The Tamron 17-28mm f/2.8 Di III RXD lens features a robust yet lightweight construction, designed for portability without compromising optical quality. Key components include the zoom ring, focus ring, and the lens mount.



Main view of the Tamron 17-28mm f/2.8 Di III  
RXD Lens.



Front view of the lens, showing the front element and filter thread.



Rear view of the lens, highlighting the Sony E-mount.



Side view of the lens, illustrating the zoom and focus rings.

The lens features an RXD (Rapid eXtra-silent stepping Drive) stepping motor unit for high-speed, high-precision, and quiet autofocus performance, beneficial for both still photography and video recording. Its moisture-resistant construction provides added durability for outdoor use.

### Included Accessories:

- Front Lens Cap
- Rear Lens Cap
- Lens Hood

## 3. SETUP

### Attaching the Lens:

1. Ensure your camera is powered off.
2. Align the mounting index on the lens barrel with the mounting index on your camera body.
3. Rotate the lens clockwise until it clicks into place.

### Detaching the Lens:

1. Press and hold the lens release button on your camera body.
2. Rotate the lens counter-clockwise until it detaches from the camera body.

### Attaching the Lens Hood:

Align the lens hood with the front of the lens and rotate it clockwise until it locks securely. The lens hood helps to prevent stray light from entering the lens, reducing flare and ghosting.

### Filter Installation:

The lens features a 67mm filter thread. To attach a filter, carefully screw it onto the front of the lens until it is snug. Avoid overtightening.

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Video: Unboxing and initial setup of the Tamron 17-28mm f/2.8 Di III RXD lens, demonstrating how to attach the lens hood and caps.

## 4. OPERATING INSTRUCTIONS

### Zooming:

Rotate the zoom ring to adjust the focal length between 17mm and 28mm. The internal zoom mechanism ensures the lens length does not change during zooming.

### Focusing:

- **Autofocus (AF):** The lens utilizes Tamron's RXD motor for fast, precise, and quiet autofocus. Ensure your camera is set to an AF mode. The lens supports advanced Sony AF features like Fast Hybrid AF and Eye AF.
- **Manual Focus (MF):** Switch your camera to MF mode. Rotate the focus ring to achieve desired sharpness.

### Aperture:

This lens maintains a constant maximum aperture of f/2.8 throughout its zoom range, allowing for excellent

low-light performance and creative depth-of-field control.

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Video: A hands-on review demonstrating the lens's features and handling during operation.

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Video: An overview of key aspects and usage tips for the Tamron 17-28mm f/2.8 lens.

## 5. MAINTENANCE

### Cleaning the Lens:

The front surface of the lens has a protective coating, making it easy to wipe clean. Use a soft, lint-free cloth and a specialized lens cleaning solution. Avoid harsh chemicals or abrasive materials that could damage the coating.

### Moisture Resistance:

The lens features a moisture-resistant construction. While designed to withstand light moisture, it is not waterproof. Avoid exposing the lens to heavy rain or submerging it in water. If the lens gets wet, wipe it dry immediately with a clean cloth.

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Video: Demonstrating the moisture-resistant features of the Tamron 17-28mm lens.

### Storage:

When not in use, store the lens with both front and rear caps attached in a dry, cool place away from direct sunlight and extreme temperatures. Using a lens pouch or case can provide additional protection.

## 6. TROUBLESHOOTING

### Autofocus Issues:

- Ensure your camera is set to an appropriate AF mode and that the subject has sufficient contrast for the autofocus system to lock on.
- Check for any obstructions on the lens elements or camera sensor.
- In very low light conditions, autofocus may be slower. Consider switching to manual focus or using an external light source.

### Image Quality Concerns:

- **Vignetting/Distortion:** Some wide-angle lenses may exhibit minor vignetting or distortion, especially at their widest focal lengths. These are often correctable using in-camera lens correction settings or post-processing software (e.g., Adobe Lightroom, Capture One).
- **Softness:** Ensure proper focus. While the lens is designed for sharpness, extreme corners at the widest focal length might show slight softness, which is common for ultra-wide zooms.

### Physical Issues:

- If the zoom or focus rings feel stiff or make unusual noises, do not force them. Contact Tamron customer support for assistance.
- Avoid dropping the lens. While durable, severe impacts can cause internal damage.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	AFA046S700
Focal Length	17-28mm
Maximum Aperture	f/2.8
Lens Type	Zoom Lens
Compatible Mountings	Sony E-Mount (Full Frame/APS-C)
Autofocus Motor	RXD (Rapid eXtra-silent stepping Drive)
Filter Diameter	67mm
Item Weight	14.8 ounces (420g)
Product Dimensions	3.9 x 2.87 x 2.87 inches
Special Features	Moisture-resistant construction, protective front element coating

## 8. WARRANTY AND SUPPORT

The Tamron 17-28mm f/2.8 Di III RXD lens typically comes with a 5-year warranty. Please refer to the warranty information included in your product packaging or visit the official Tamron website for detailed terms and conditions, registration, and support options.

For technical assistance, repairs, or further inquiries, please contact Tamron customer service or an authorized service center.