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## TTARTISAN 40mm F2.8

# TTArtisan 40mm F2.8 Macro Lens (Fujifilm X Mount) Instruction Manual

Model: 40mm F2.8

## 1. INTRODUCTION

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The TTArtisan 40mm F2.8 Macro Lens is a manual focus prime lens designed for APS-C cameras with Fujifilm X-mount. It offers a 1:1 magnification ratio, allowing for detailed close-up photography of small subjects. With an F2.8 maximum aperture, it performs well in various lighting conditions and can produce images with shallow depth of field. This manual provides essential information for setting up, operating, and maintaining your lens.



Figure 1: Front view of the TtArtisan 40mm F2.8 Macro lens, showing the focus and aperture rings, and macro magnification markings.

## 2. SETUP

### 2.1 Attaching the Lens

1. Align the red dot on the lens barrel with the corresponding mark on your camera's lens mount.
2. Rotate the lens clockwise until it clicks securely into place.

### 2.2 Camera Settings

Since this is a manual lens without electronic contacts, your camera needs to be configured to operate without a lens attached. Ensure your camera is set to allow "Shoot without lens" or a similar option in its menu. Refer to your camera's instruction manual for specific settings. For optimal control, set your camera to Manual (M) or Aperture Priority (A) mode.



Figure 2: Rear view of the TTArtisan 40mm F2.8 Macro lens, showing the Fujifilm X-mount interface.

### 3. OPERATING THE LENS

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#### 3.1 Focusing

Rotate the focus ring on the lens barrel to adjust focus. For macro photography, precise focusing is crucial. Utilize your camera's focus peaking or magnification assist features for accurate manual focusing.

#### 3.2 Aperture Adjustment

Rotate the aperture ring on the lens to select your desired aperture, ranging from F2.8 to F16. Wider apertures (e.g., F2.8) create a shallower depth of field, ideal for isolating subjects. Narrower apertures (e.g., F16) provide greater depth of field, useful for scenes where more of the image needs to be in focus.



Figure 3: Side view of the TtArtisan 40mm F2.8 Macro lens, highlighting the distance and aperture scales.

### 3.3 Macro Photography (1:1 Magnification)

The lens achieves 1:1 magnification, meaning the subject is projected onto the camera sensor at its actual size. To achieve 1:1 magnification, extend the lens barrel by rotating the macro extension ring. The lens features markings indicating various magnification ratios (e.g., 1:1, 1:2). The closest focusing distance is 0.17m (17cm). Due to the shallow depth of field at macro distances, consider using a tripod and focus stacking techniques for subjects requiring extensive depth of field.



Figure 4: The TTArtisan 40mm F2.8 Macro lens with its barrel extended, demonstrating its macro capabilities.

### 3.4 General Photography

The 40mm focal length on an APS-C sensor provides an angle of view equivalent to approximately 60mm on a full-frame camera. This makes the lens versatile for various photographic genres beyond macro, including portraits, street photography, and general use where a standard prime lens perspective is desired.

## 4. MAINTENANCE

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### 4.1 Cleaning

- Use a soft, clean microfiber cloth to wipe the lens body.
- For lens elements, use a lens blower to remove dust particles. Gently clean with a lens cleaning solution and a dedicated lens cloth. Avoid touching the glass surfaces with bare hands.

### 4.2 Storage

- Store the lens in a dry, dust-free environment, preferably with a desiccant to prevent mold growth.
- Always attach the front and rear lens caps when the lens is not in use to protect the optical elements.
- Avoid exposing the lens to extreme temperatures or high humidity.

## 5. TROUBLESHOOTING

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- **Camera does not fire when lens is attached:** This is a common issue with manual lenses that lack electronic contacts. Ensure your camera's settings allow "Shoot without lens" or a similar option. Consult your camera's

manual for specific instructions.

- **Difficulty achieving sharp focus:** For macro photography, precise focusing is critical. Utilize your camera's focus peaking or magnification assist features. Ensure adequate lighting for accurate focusing. Using a tripod can significantly improve stability and sharpness, especially in macro photography.
- **Lens mount feels loose:** Periodically inspect the screws on the lens mount. If they appear loose, gently tighten them with an appropriate precision screwdriver. Avoid over-tightening, which can strip the screws or damage the lens.

## 6. SPECIFICATIONS



Figure 5: Diagram illustrating the optical construction of the lens, showing 8 elements in 7 groups with two extra low-dispersion glasses.

<b>Lens Type</b>	Macro Lens
<b>Focal Length</b>	40mm
<b>Maximum Aperture</b>	F2.8
<b>Minimum Aperture</b>	F16
<b>Lens Construction</b>	8 elements in 7 groups (2 Extra low-dispersion glasses)
<b>Magnification</b>	1:1
<b>Closest Focusing Distance</b>	0.17m
<b>Filter Size</b>	52mm
<b>Angle of View</b>	40°
<b>Frame</b>	APS-C
<b>Diaphragm Blades</b>	11

<b>Lens Mount</b>	Fujifilm X-Mount
<b>Weight</b>	Approx. 371-373g

## 6.1 What's in the Box

- 40mm F2.8 Camera lens x 1
- Front Lens Cap x 1
- Rear Lens Cap x 1
- Warranty Card x 1
- User Manual x 1



Figure 6: The lens packaging and included accessories: lens, front cap, rear cap, warranty card, and user manual.

## 7. WARRANTY AND SUPPORT

This TTArtisan product comes with a standard manufacturer's warranty. For detailed warranty terms, technical support, or service inquiries, please contact TTArtisan customer service through their official website or the authorized retailer where you purchased the product. Please retain your proof of purchase for warranty validation.

