

## TTARTISAN 27mm F2.8

# TTArtisan 27mm F2.8 XF-Mount Auto Focus APS-C STM Lens Instruction Manual

For Fujifilm X-Mount Cameras

## 1. INTRODUCTION

Thank you for purchasing the TTArtisan 27mm F2.8 XF-Mount Auto Focus APS-C STM Lens. This compact and versatile lens is designed for Fujifilm X-Mount mirrorless cameras, offering a 27mm focal length (approximately 40.5mm equivalent in full-frame) and a bright F2.8 aperture. It features an STM stepping motor for smooth and quiet autofocus, making it suitable for various photography and videography applications.

**Compatible Cameras:** X-A1, X-A10, X-A2, X-A3, X-A5, X-A7, X-M1, X-H1, X-H2, X-T1, X-T10, X-T2, X-T20, X-T30, X-T3, X-T4, X-T5, X-T100, X-T200, X-PR01, X-PR02, X-PR03, X-E1, X-E2, X-E2S, X-E3, X-E4, XS10.



Figure 1.1: Front view of the TtArtisan 27mm F2.8 XF-Mount lens.

## 2. SETUP AND INSTALLATION

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### 2.1 Unpacking the Lens

Carefully remove the lens and its accessories from the packaging. Ensure all components listed in the specifications are present.



Figure 2.1: The TTArtisan 27mm F2.8 lens with its standard accessories, including front and rear caps, lens hood, filter, pouch, and cleaning cloth.

## 2.2 Attaching the Lens to Your Camera

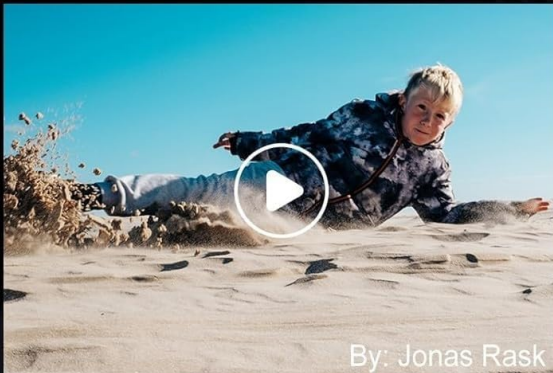
1. Ensure your camera is turned off.
2. Remove the rear lens cap from the TTArtisan 27mm F2.8 lens and the body cap from your Fujifilm X-Mount camera.
3. Align the red dot on the lens barrel with the red dot on your camera's lens mount.
4. Gently insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Remove the front lens cap. Your lens is now ready for use.

AF 27mm f2.8

# QUIET

## STM Stepping Motor

TTArtisan AF 27mm F2.8 lens adopts the "STM+leading screw" stepping motor, which is small in size and smooth in focusing.



By: Jonas Rask

It focuses quickly to capture the perfect moment

Support camera's Anti-Shake function, which is good for video shooting.



By: Jonas Rask

Figure 2.2: The TTArtisan 27mm F2.8 lens properly mounted on a Fujifilm X-M1 camera body.



Figure 2.3: Demonstrating the compact size of the lens when attached to a camera.

### 3. OPERATING THE LENS

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#### 3.1 Autofocus System (STM Stepping Motor)

The TTArtisan AF 27mm F2.8 lens incorporates an STM (Stepping Motor) with a leading screw design. This motor provides fast, smooth, and quiet autofocus performance, which is beneficial for both still photography and video recording. The compact size of the motor contributes to the overall small form factor of the lens.





Figure 3.1: Internal view illustrating the STM stepping motor mechanism.

### 3.2 Eye Detection Autofocus

This lens supports eye-detection autofocus when used with compatible Fujifilm cameras. This feature allows the camera to automatically detect and track the subject's eyes, ensuring sharp focus on portraits and moving subjects. This functionality enhances both photo and video capture.



Figure 3.2: A visual representation of the eye-detection autofocus feature in action.

### 3.3 Click Aperture Ring

The lens features an independent aperture ring with distinct click stops. This design allows for tactile and precise aperture adjustments directly on the lens, providing a more intuitive and faster shooting experience compared to adjusting aperture through the camera body's controls.



Figure 3.3: Detail of the lens's aperture ring with click stops.

### 3.4 Close-up Shooting

The lens offers a minimum focusing distance of 0.35 meters (1.15 feet), enabling close-up photography to capture fine details. The wide F2.8 aperture also contributes to pleasing background blur (bokeh) in close-up shots.

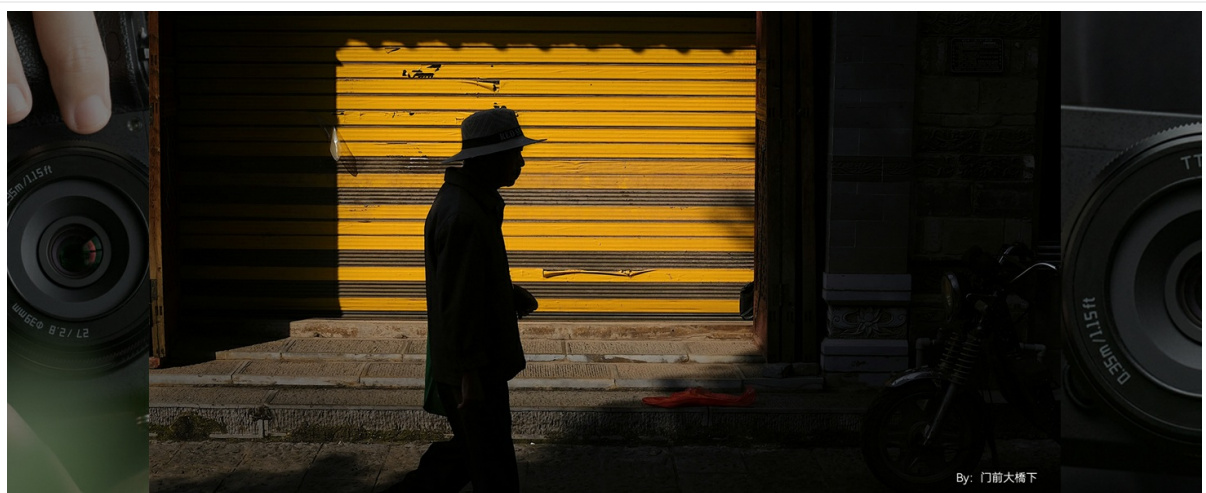


Figure 3.4: An image showcasing the shallow depth of field and bokeh achievable with the F2.8 aperture.



## 4. MAINTENANCE AND CARE

### 4.1 Cleaning the Lens

- Use a soft, lint-free cloth or a lens brush to remove dust from the lens surfaces.
- 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.
- Avoid touching the glass elements directly with your fingers.

### 4.2 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 extended periods, consider using a desiccant to prevent mold and mildew.

### 4.3 Firmware Upgrade

The lens features a USB-C interface on its rear lens cap for firmware upgrades. This allows for improved performance and compatibility updates. Refer to the official TtArtisan website for the latest firmware and detailed upgrade instructions.



Figure 4.1: The USB-C port located on the rear lens cap for firmware updates.

## 5. TROUBLESHOOTING

| Problem                             | Possible Cause   | Solution  |
|-------------------------------------|--|---|
| Lens not recognized by camera       | Lens not properly mounted; dirty electrical contacts.          | Re-mount the lens, ensuring it clicks into place. Clean the lens and camera electrical contacts with a clean, dry cloth.                |
| Autofocus is slow or hunts          | Low light conditions; low contrast subject; outdated firmware. | Ensure adequate lighting. Focus on a high-contrast area. Update lens firmware via the USB-C port.                                       |
| Vignetting (dark corners) in images | Common at wide apertures (e.g., F2.8); lens hood misalignment. | This is often a characteristic of wide-aperture lenses and can be corrected in post-processing. Ensure lens hood is correctly attached. |
| Aperture ring not responding        | Camera settings overriding lens control.                       | Check your camera's settings to ensure it is set to allow aperture control via the lens.  |

## 6. SPECIFICATIONS

- **Focal Length:** 27mm
- **Maximum Aperture:** F2.8
- **Minimum Aperture:** F16
- **Filter Size:** 39mm
- **Frame Type:** APS-C
- **Closest Focusing Distance:** 0.35m (1.15ft)
- **Diaphragm Blades:** 7
- **Optical Design:** 6 elements in 5 groups
- **Focus Method:** AF (Autofocus)
- **Angle of View:** 56°
- **Dimensions:** 61 x 29 mm
- **Weight:** 93g (approximately 3.3 ounces)
- **Included Accessories:** Lens, front lens cap, rear lens cap, lens hood, lens filter, user manual, pouch case, clean cloth.

## 7. WARRANTY INFORMATION

TTArtisan products are covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region. Please retain your proof of purchase for warranty claims. For detailed warranty information, please visit the official TTArtisan website or contact your local distributor.

## 8. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your TTArtisan 27mm F2.8 lens, please refer to the troubleshooting section of this manual. For further assistance, you can contact TTArtisan customer support

through their official website or the retailer where you purchased the product.

**Official Website:** [www.tartisan.com](http://www.tartisan.com)