

## TTARTISAN AF 35mm F1.8 II

# TTArtisan AF 35mm F1.8 II Auto Focus Lens User Manual

For Fuji X-Mount APS-C Cameras

## 1. INTRODUCTION

Thank you for choosing the TTArtisan AF 35mm F1.8 II Auto Focus Lens. This lens is designed for Fuji X-Mount APS-C cameras, offering a versatile 35mm focal length (equivalent to 53mm on full-frame) and a bright F1.8 aperture. It features an optimized optical design and a lightweight, all-metal construction for enhanced portability and image quality. This manual provides essential information for the proper setup, operation, and maintenance of your lens.

## 2. SAFETY INFORMATION

- Do not look directly at the sun or other strong light sources through the lens, as this may cause permanent eye damage.
- Keep the lens away from water and moisture to prevent damage to electronic components.
- Avoid dropping or subjecting the lens to strong impacts.
- Store the lens in a cool, dry place away from direct sunlight when not in use.
- Keep out of reach of children.

## 3. PRODUCT OVERVIEW

The TTArtisan AF 35mm F1.8 II lens is a compact and high-performance optic. Its all-metal construction ensures durability and a premium feel, perfectly matching your camera body.



Figure 3.1: Front view of the TtArtisan AF 35mm F1.8 II Auto Focus Lens. This image shows the lens barrel, focus ring, and front element.

## ALL-METAL CONSTRUCTION

The lens are made of 5052 aviation aluminum, and the metal texture perfectly matches the cameras.



Figure 3.2: The TTArtisan AF 35mm F1.8 II lens held in hand, demonstrating its compact size and all-metal construction. The lens is made of 5052 aviation aluminum, providing a durable and aesthetically pleasing finish.

## 4. SETUP

### 4.1 Mounting the Lens

1. Ensure your camera is turned off.
2. Remove the rear lens cap from the TTArtisan AF 35mm F1.8 II lens and the body cap from your camera.
3. Align the mounting index (usually a white dot) on the lens with the corresponding index on your camera body.
4. Insert the lens into the camera mount and rotate it clockwise until it clicks into place. Do not force the lens.
5. Replace the front lens cap when not in use.

### 4.2 Firmware Update

The TTArtisan AF 35mm F1.8 II lens features a Type-C interface for firmware updates, located on the rear lens cap. This allows for future performance enhancements and compatibility improvements.

1. Visit the official TTArtisan website to check for the latest firmware version for your lens model.

2. Download the firmware file to your computer.
3. Connect the lens to your computer using a Type-C USB cable via the port on the rear lens cap.
4. Follow the instructions provided with the firmware download to complete the update process.

## 5. OPERATING THE LENS

### 5.1 Autofocus System

This lens is equipped with an STM (Stepping Motor) and lead screw-type stepping motor, providing fast, smooth, and quiet autofocus performance. It supports advanced autofocus recognition features available on compatible Fuji X-Mount cameras, including eye, animal, and car detection.

## FAST AND ACCURATE AUTOFOCUS

Featuring an STM and lead screw-type stepping motor, this lens supports autofocus recognition for eyes, animals, and cars. The smooth and quiet focusing allows you to effortlessly capture the remarkable moments.

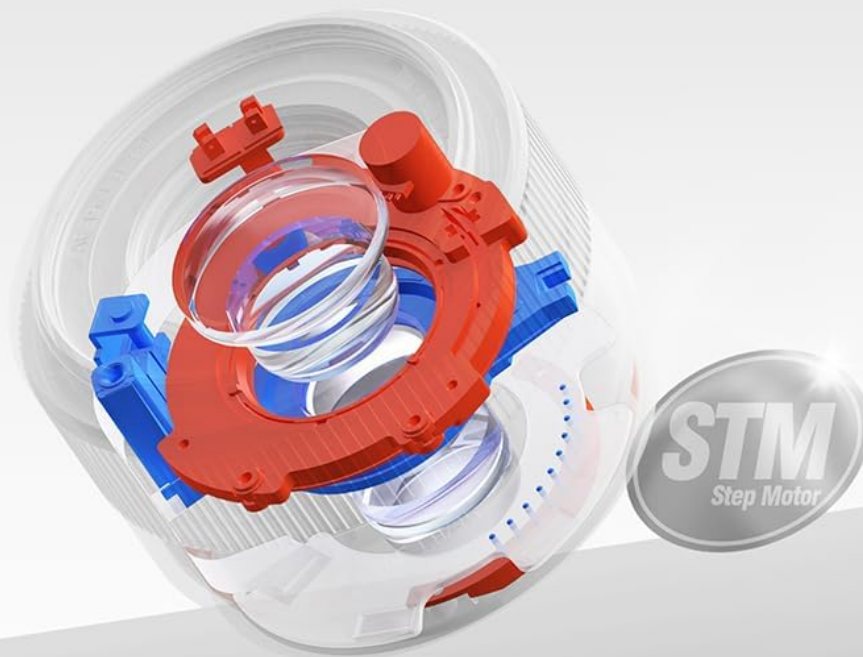


Figure 5.1: Internal diagram illustrating the STM (Stepping Motor) mechanism responsible for fast and accurate autofocus. This motor enables smooth and quiet focusing, crucial for capturing dynamic moments.

### 5.2 Aperture Control

The F1.8 large aperture allows significant light intake, making the lens excellent for low-light photography. It also enables the creation of soft, pleasing background bokeh, which is particularly effective for portrait photography to isolate the subject.

### 5.3 Minimum Focusing Distance

The lens offers a minimum focusing distance of 0.4 meters (approximately 1.3 feet). This allows for close-up shots, capturing fine details of subjects like food, crafts, and other everyday scenes.



## 0.4M MINIMUM FOCUSING DISTANCE

The minimum focusing distance has been reduced from 0.6m to 0.4m, allowing this lens to effortlessly capture fine details and close-up shots, making it especially ideal for close-range photography of everyday subjects like food, crafts, and other life scenes.

Figure 5.2: Example photographs showcasing the lens's ability to focus at a minimum distance of 0.4 meters. This feature is ideal for capturing intricate details in close-up photography.

### 5.4 Standard Focal Length

With an equivalent full-frame focal length of 53mm, the 35mm focal length on an APS-C sensor closely approximates the human eye's field of view. This makes the lens highly versatile for various shooting scenarios, including street photography, landscapes, portraits, and capturing daily moments.





## STANDARD FOCAL LENGTH

With an equivalent full-frame focal length of 53mm, the 35mm focal length is popular for its close approximation to the human eye's field of view. It's versatile for various shooting scenarios, from street photography to landscapes, close-ups to daily moments, effortlessly meeting different photographic needs.

Figure 5.3: Sample images illustrating the versatility of the 35mm focal length (53mm full-frame equivalent). These photos demonstrate its suitability for diverse photographic genres, from street scenes to environmental portraits.



Whether for everyday shooting or travel photography, this lens is easy to carry around, making it more convenient for long shooting sessions while ensuring a more comfortable and enjoyable experience.

Figure 5.4: Additional sample photographs highlighting the lens's utility for everyday shooting and travel photography. Its lightweight design makes it convenient for extended use.

## 6. MAINTENANCE

### 6.1 Cleaning the Lens

- Use a blower brush to remove dust from the lens surface.
- For smudges or fingerprints, use a clean, soft microfiber cloth specifically designed for optical lenses. Apply a small amount of lens cleaning solution to the cloth, not directly to the lens.
- Clean the lens in a circular motion from the center outwards.
- Avoid using abrasive materials or harsh chemicals.

### 6.2 Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a dry, dust-free environment, preferably in a lens pouch or camera bag.
- If storing for an extended period, consider using a dehumidifier or desiccant to prevent mold growth.

## 7. TROUBLESHOOTING

- **Lens not recognized by camera:** Ensure the lens is securely mounted and the camera is turned on. Check camera settings for lens detection.
- **Autofocus not working:** Verify that the camera is set to autofocus mode. Clean the lens contacts on both the lens and camera body. Ensure there is sufficient light for the autofocus system to operate.
- **Image quality issues (e.g., soft images):** Check that the lens is clean and free from smudges. Ensure proper focus. Consider using a tripod for stability in low light.
- **Firmware update failure:** Ensure a stable connection between the lens and computer. Do not disconnect the cable during the update process. Refer to the firmware update instructions on the TtArtisan website.

## 8. SPECIFICATIONS

Feature	Description
Brand	TTARTISAN
Model	AF 35mm F1.8 II
Compatible Mountings	Fujifilm X
Lens Type	Wide Angle (Standard Prime on APS-C)
Focal Length	35mm (53mm equivalent on full-frame)
Maximum Aperture	F1.8
Minimum Focusing Distance	0.4m (1.3 ft)
Optical Design	7 groups, 10 elements (including 2 high-refractive and 2 ED elements)
Autofocus Motor	STM and lead screw-type stepping motor
Construction Material	5052 Aviation Aluminum (All-metal)
Weight	176g (reduced from 199g in Mark I)
Firmware Update Interface	Type-C (on rear lens cap)





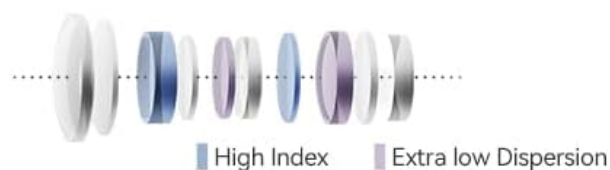
## LIGHTWEIGHT DESIGN

With the weight reduced from 199g to 176g, it ensures you can shoot comfortably without feeling weighed down.

Figure 8.1: Comparison of the TTArtisan AF 35mm F1.8 Mark II (left) and Mark I (right) lenses, highlighting the reduced size and weight of the Mark II version. The Mark II weighs 176g compared to the Mark I's 199g.



## OPTIMIZED OPTICAL DESIGN



The optical design of this lens has been adjusted from 8 groups of 10 elements to 7 groups of 10 elements, including 2 high-refractive elements and 2 ED (Extra-low Dispersion) elements. The optimized structure reduces size while maintaining image quality.

Figure 8.2: Diagram illustrating the optimized optical design of the lens. It consists of 7 groups and 10 elements, including 2 high-refractive elements and 2 ED (Extra-low Dispersion) elements, contributing to high image quality while reducing size.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official TTArtisan website. Keep your purchase receipt as proof of purchase for warranty claims.

Official TTArtisan Website: [www.ttartisan.com](http://www.ttartisan.com)