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> TTArtisan 40mm F2 E-Mount Lens Instruction Manual for Sony Cameras

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For Sony Cameras A5000, A5100, A6000, A6100, A6300, A6400, A6500, A6600

1. INTRODUCTION AND OVERVIEW

The TTArtisan 40mm F2 E-Mount Lens is a versatile, compact, and high-performing prime lens designed for Sony E-mount cameras. It features a fixed focal length of 40mm and a large F2.0 aperture, making it suitable for various lighting conditions and enabling a pleasing depth of field.

This lens incorporates an STM stepping motor for quick, smooth, and precise autofocus, beneficial for both photography and videography. Its optical construction includes ED (Extra-low Dispersion) and Aspherical (ASPH.) elements to effectively control chromatic aberration and maintain image clarity.

The 40mm focal length offers a balanced perspective, ideal for street, travel, documentary, and everyday photography, allowing for both environmental context and subject isolation. With a minimum focusing distance of 0.4 meters, it facilitates close-up shots to capture fine details.



Image: Overview of the TTArtisan 40mm F2 E-Mount Lens, highlighting its compact size, F2.0 aperture, and autofocus capabilities.

Excellent Image Quality



9 Elements in 6 Groups

Effectively controls chromatic aberration while maintaining clarity

Image: The TTArtisan 40mm F2 E-Mount Lens attached to a compatible Sony mirrorless camera, showcasing its integrated design.

2. SETUP INSTRUCTIONS

2.1 Attaching the Lens

1. Ensure your camera is powered off before attaching or detaching the lens.
2. Align the mounting index on the lens with the corresponding index on your camera body.
3. Rotate the lens clockwise until it clicks into place, indicating it is securely mounted.

2.2 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 detaches.
3. Place the front and rear caps on the lens immediately to protect the glass elements.

2.3 Firmware Update

The lens features a Type-C interface on the rear lens cap for firmware updates. This allows for potential performance improvements and compatibility enhancements.

- A Type-C cable with data transfer functionality is required.
- Firmware updates are typically performed using a Windows system (Windows 10 or newer is recommended).

FIRMWARE UPDATE INTERFACE

The Type-C interface for firmware update is designed on the rear lens cap, which improves the aesthetics of the lens



1. Type-C cable with data transfer function is required;

NOTE

2. Upgraded with Windows system (Windows10 would be better)

Image: Illustration of the Type-C firmware update port located on the rear lens cap, showing the connection process.

3. OPERATING INSTRUCTIONS

3.1 Aperture Control

The lens features a clicked aperture ring, providing tactile feedback with each stop. This allows for precise and confident aperture adjustments, which is particularly useful when shooting videos.

CLICKED APERTURE RING

The *clicked aperture ring* delivers clear tactile feedback with each stop.

Allow for quick and confident aperture adjustment when shooting videos.



Image: Close-up view of the clicked aperture ring on the lens, demonstrating its design for manual adjustment. The F2.0 large aperture allows more light to enter the lens, enabling faster shutter speeds and improved performance in low-light conditions. It also contributes to a smooth background blur (bokeh).



CREATES SOFT
BACKGROUND BLUR

F2 Large Aperture //

Lets in more light for faster shutter speeds and better low-light performance.



Image: Two sample photographs illustrating the smooth background blur achievable with the F2.0 large aperture.

3.2 Autofocus System

The lens features an STM stepping motor for quiet, smooth, and fast autofocus. It supports advanced camera functions such as face detection and eye detection, enhancing focus accuracy on subjects.

Quiet and Fast Autofocus

Features an **STM stepping motor** for quick, smooth and precise focusing.



Quiet and Fast Autofocus

Supports Face Detection



Supports Eye Detection

Image: Diagram of the STM stepping motor and sample images showing face and eye detection in action.

3.3 Minimum Focusing Distance

With a minimum focusing distance of 0.4 meters, the lens allows you to get closer to your subjects, capturing intricate details and expressions.

0.4m MINIMUM FOCUSING DISTANCE



Get closer to capture facial expressions and fine details.



Image: A visual representation of the lens's ability to focus closely, ideal for capturing facial expressions and small details.

4. MAINTENANCE

4.1 Cleaning the Lens

- Use a soft, lint-free cloth or a lens brush to remove dust from the lens surfaces.
- For stubborn 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 lens 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 dry, cool place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, consider using a dehumidifying agent to prevent mold growth.

4.3 General Care

- Avoid exposing the lens to water or excessive moisture, as it is not water-resistant.
- Handle the lens with care to prevent drops or impacts, which can damage internal components.

5. TROUBLESHOOTING

5.1 Autofocus Issues

- **Lens not focusing or slow to focus:** Ensure the lens is securely mounted to the camera. Check camera settings to confirm autofocus is enabled and the correct focus mode is selected. In very low light, autofocus performance may be reduced; try switching to manual focus if necessary.
- **Inconsistent sharpness:** Verify that the camera's firmware and the lens firmware are up to date. Ensure sufficient light for the autofocus system to operate effectively.

5.2 Image Quality Concerns

- **Soft images:** Check if the aperture is set too wide (e.g., F2.0), as some lenses may exhibit slight softness at their maximum aperture. Stopping down to F2.8 or F4.0 can often improve sharpness. Ensure proper focus technique.
- **Chromatic aberration or fringing:** While the lens is designed to control these, some may appear in high-contrast situations. These can often be corrected in post-processing software.
- **Vignetting:** Slight darkening at the corners of images, especially at wide apertures, is common. This can often be corrected in post-processing.

5.3 Lens Not Recognized by Camera

- Remove and re-attach the lens, ensuring it clicks securely into place.
- Clean the electronic contacts on both the lens and the camera body with a clean, dry cloth.
- Restart the camera.

6. SPECIFICATIONS

Detailed technical specifications for the TtArtisan 40mm F2 E-Mount Lens:

Feature	Specification
Brand	TTARTISAN
Model Name	TTArtisan 40mm F2 E-Mount Lens
Compatible Mountings	Sony E
Focal Length	40 millimeters (Fixed)
Maximum Aperture	F2.0
Minimum Aperture	F16.0
Lens Design	Prime
Focus Type	Auto Focus (STM Stepping Motor)
Optical Design	9 Elements in 6 Groups (including ED and Aspherical elements)
Minimum Focusing Distance	0.4 meters
Angle of View	57 Degrees
Photo Filter Size	52 Millimeters
Weight	167-176g
Image Stabilization	No image stabilization
Water Resistance Level	Not Water Resistant
Construction Material	5052 Aviation Aluminum

Focal Length	40mm	Filter Size	52mm
Maximum Aperture	F2	Closest Focus Distance	0.4m
Minimum Aperture	F16	Diaphragm Blades	7pcs
Frame	Full Frame	Focus Method	AF
Angle of View	57°	Weight	Around 167~176g
Optical Design	9 Elements in 6 Groups		
Mount	E、Z、L		

E-mount



Z-mount



Image: A table summarizing key specifications and a diagram showing the physical dimensions of the lens.

LENS SPECIFICATION

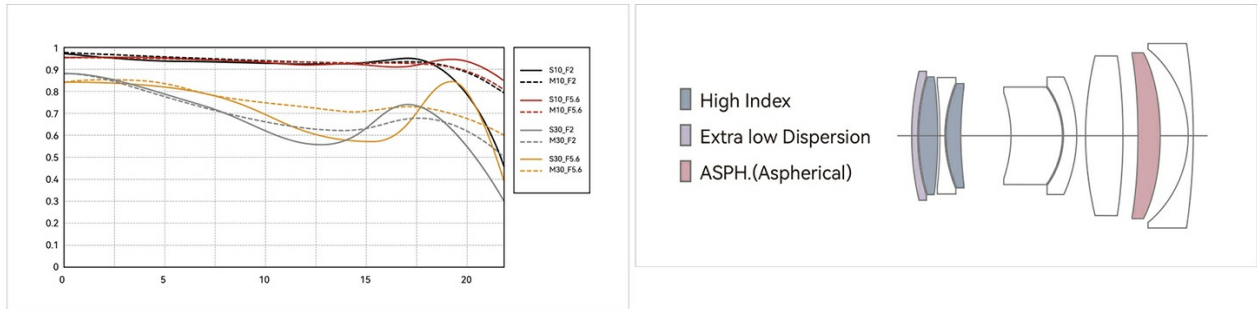


Image: Optical diagram illustrating the lens elements and an MTF (Modulation Transfer Function) chart showing lens performance.

6.1 Package Contents

The following items are included with your TTArtisan 40mm F2 E-Mount Lens:

- AF 40mm F2 Lens x1
- Lens Hood x1
- Rear Cap x1
- Front Cap x1
- Box x1

PACKAGE LIST

Picture	Listing	Quantity	Picture	Listing	Quantity
	AF 40mm F2 Lens	*1		Box	*1
	Lens Hood	*1		User Manual	*1
	Rear Cap	*1		Card	*1
	Front Cap	*1			

Image: A visual list of all items included in the product package.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This TTArtisan lens comes with a 1-year limited warranty from the date of purchase. The warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, warranty service, or general inquiries, please visit the official TtArtisan store or contact their customer support channels. You can find more information and support resources on the [TTARTISAN Store on Amazon](#).