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› JJC AET-FXS Auto Focus Macro Extension Tube Set for Fujifilm X Mount User Manual

JJC AET-FXS

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Model: AET-FXS

1. INTRODUCTION

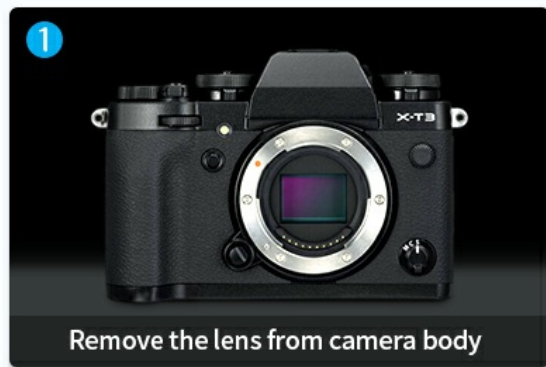
The JJC AET-FXS Auto Focus Macro Extension Tube Set is designed to enable your Fujifilm X-mount lens to focus closer than its normal minimum focusing distance. This effectively magnifies your subject, making it appear larger in your viewfinder and pictures. This set is particularly useful for macro photography, allowing you to convert almost any standard lens into a macro lens without compromising the original optical quality, as the tubes contain no optical elements. The extension tubes are mounted between your camera body and lens, increasing the distance between the lens and the camera's sensor. This forces the lens to focus much closer than usual. The greater the total length of the extension tubes used, the closer the lens can focus, resulting in higher magnification.

Key Features:

- **Durable Construction:** The camera mount is made of aluminum, the lens mount is high-quality brass, and the tube body is constructed from durable ABS plastic.
- **Enhanced Macro Capability:** Shortens the minimum focusing distance for macro photography, transforming standard lenses into macro lenses.
- **Full Electronic Compatibility:** Retains full autofocus (AF) and auto exposure (AE) functionality between the camera and lens.
- **Flexible Magnification:** Includes 11mm and 16mm tubes that can be used individually or combined for various magnification levels.
- **Optical Purity:** Contains no optical elements, ensuring no degradation of your lens's original image quality.
- **Compatibility:** Designed for Fujifilm X-mount mirrorless cameras and X-mount mirrorless lenses. **Note:** This tube set is not compatible with the Fujifilm Fujinon XF 23mm f/2 R WR lens.

2. SETUP AND INSTALLATION

Follow these steps to correctly attach the JJC AET-FXS Macro Extension Tubes to your Fujifilm X-mount camera and lens.



Steps of Use

Figure 1: Step-by-step guide for attaching and detaching the extension tubes.

1. **Remove the Lens:** Ensure your camera is powered off. Carefully remove the lens from your camera body by pressing the lens release button and rotating the lens counter-clockwise.
2. **Attach Extension Tube to Camera:** Align the white dot on the extension tube (11mm or 16mm, or both combined) with the white dot on your camera's lens mount. Gently push the tube onto the camera mount and rotate it clockwise until it clicks into place.
3. **Attach Lens to Extension Tube:** Align the white dot on your lens with the white dot on the front of the attached extension tube. Push the lens onto the tube and rotate it clockwise until it clicks into place.
4. **To Remove:** To detach the lens, press the lens release button on the extension tube and rotate the lens counter-clockwise. To detach the extension tube from the camera, press the tube's dismounting button and rotate it counter-clockwise.



Figure 2: Detailed view of the extension tube's mounting components.

This image highlights the key components of the extension tube, including the gilt metal contacts for electronic communication, robust metal bayonets for secure attachment, a guide pin for proper alignment, and the dismounting button for easy removal.

3. OPERATING INSTRUCTIONS

The JJC AET-FXS set includes two tubes, 11mm and 16mm, which can be used individually or combined to achieve different levels of magnification for macro photography.

Tube Combinations and Magnification:

- **11mm Tube:** Provides a moderate increase in magnification.
- **16mm Tube:** Offers a greater increase in magnification than the 11mm tube.
- **11mm + 16mm Tubes (Combined):** Stacking both tubes provides the maximum magnification.



Figure 3: Individual and combined use of 11mm and 16mm extension tubes.

The image displays both the 11mm and 16mm extension tubes, illustrating how they can be used separately or combined. A key feature highlighted is the absence of optical elements, ensuring the original image quality of your lens is preserved.



Figure 4: Fujifilm camera with extension tubes in various configurations.

This visual guide shows a Fujifilm camera with a lens attached via the extension tubes. It illustrates the different configurations: using only the 16mm tube, only the 11mm tube, and both tubes combined, providing varying levels of magnification.



Original



11mm



16mm



11mm + 16mm

JJC AET-FXS fits macro photography well

Figure 5: Macro photography comparison with and without extension tubes.

This set of images demonstrates the macro capabilities of the extension tubes. It compares an original photograph of a rose with shots taken using the 11mm tube, the 16mm tube, and both tubes combined, clearly showing the increased magnification achieved with each configuration.

Focusing Considerations:

While the extension tubes retain autofocus and auto exposure capabilities, it is important to note that when using extension tubes, especially when stacking both for maximum magnification, the depth of field becomes very shallow. This can make autofocus challenging for the camera.

- For optimal results, especially with stacked tubes, it is recommended to use **manual focus**.
- Consider using a **tripod with a focusing rail** to achieve precise focus and stability.
- You may need to **adjust your aperture** (close it down) to increase the depth of field, which might require more light.

4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your JJC AET-FXS Macro Extension Tube Set.

- **Cleaning:** Regularly clean the exterior of the tubes with a soft, dry microfiber cloth to remove dust and fingerprints. Avoid using harsh chemicals or abrasive materials.
- **Contact Points:** Keep the metal electronic contacts on both ends of the tubes clean. Use a clean, dry cotton swab or a specialized electronic contact cleaner if necessary. Avoid touching the contacts directly with your fingers.
- **Storage:** When not in use, store the extension tubes with their protective body and rear lens caps attached to prevent dust and debris from entering. Store them in the provided storage pouch in a cool, dry place.
- **Handling:** Always handle the tubes carefully. Avoid dropping them or subjecting them to strong impacts, which could damage the mounts or internal electronics.



Figure 6: Extension tubes with protective caps and storage pouch.

The image shows the 11mm and 16mm extension tubes along with their protective body and rear lens caps, and a soft storage pouch, emphasizing proper storage and protection when not in use.

5. TROUBLESHOOTING

If you encounter issues while using your JJC AET-FXS Macro Extension Tube Set, refer to the following common problems and solutions:

- **Autofocus Not Working or Slow:**
 - **Cause:** Shallow depth of field at macro distances, especially with stacked tubes, can hinder autofocus performance.
 - **Solution:** Switch to manual focus. Use a tripod and a focusing rail for precise adjustments. Increase ambient light or use external lighting.
- **Camera Not Recognizing Lens/Tube:**
 - **Cause:** Improper attachment or dirty electronic contacts.
 - **Solution:** Ensure the tubes and lens are securely attached and clicked into place. Clean the electronic contacts on both the tubes and your camera/lens with a clean, dry cloth.
- **Image Quality Issues (e.g., vignetting):**
 - **Cause:** While the tubes have no optics, extreme magnification or certain lens characteristics can sometimes lead to minor optical effects.

- **Solution:** Experiment with different tube combinations and lenses. Adjust your framing or crop in post-processing if necessary.
- **Incompatibility with Fujifilm Fujinon XF 23mm f/2 R WR Lens:**
 - **Cause:** Specific design of the mentioned lens.
 - **Solution:** This is a known incompatibility. Do not attempt to use this tube set with the Fujifilm Fujinon XF 23mm f/2 R WR lens.

6. SPECIFICATIONS

Brand:	JJC
Model Number:	AET-FXS
Extension Tube Lengths:	11mm, 16mm (can be used individually or combined)
Compatible Mount:	Fujifilm X-mount mirrorless cameras and lenses
Focus Type:	Auto Focus, Manual Focus (retains camera/lens AF/MF functionality)
Material (Camera Mount):	Aluminum
Material (Lens Mount):	Brass
Material (Tube Body):	ABS Plastic
Optical Elements:	None

7. WARRANTY INFORMATION

This JJC AET-FXS Auto Focus Macro Extension Tube Set comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper storage. For detailed warranty terms and conditions, please refer to the official JJC website or contact customer support.

8. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your JJC AET-FXS Macro Extension Tube Set, please visit the official JJC website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

9. VIDEO GUIDE

Watch the official product video for a visual demonstration of the JJC AET-FXS Auto Focus Macro Extension Tube Set.

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Video 1: JJC X Mount Auto Focus Macro Extension Tube Set Overview. This video provides a visual overview of the extension tubes, demonstrating their features, installation, and the macro photography results they can achieve.

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