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> [JJC AET-SES\(II\) Auto Focus Macro Extension Tube Set for Sony E-Mount Cameras Instruction Manual](#)

## JJC AET-SES(II)

# JJC AET-SES(II) Auto Focus Macro Extension Tube Set for Sony E-Mount Cameras

Model: AET-SES(II) | Brand: JJC

## 1. INTRODUCTION

The JJC AET-SES(II) Auto Focus Macro Extension Tube Set is designed to enable your Sony E-Mount lens to focus closer than its normal minimum focusing distance. By increasing the distance between your lens and the camera's sensor, these tubes effectively magnify your subject, allowing for detailed macro photography without requiring a dedicated macro lens. The set includes two tubes of different lengths (10mm and 16mm) that can be used individually or combined for varying magnification levels. These tubes maintain full electronic communication between the camera body and lens, ensuring autofocus and auto-exposure functionality.

## 2. PACKAGE CONTENTS

- 1 x 10mm Macro Extension Tube
- 1 x 16mm Macro Extension Tube
- 1 x Body Cap
- 1 x Rear Lens Cap
- 1 x Storage Pouch



Image: The JJC AET-SES(II) Macro Extension Tube Set, including the 10mm and 16mm tubes, along with a protective storage pouch.

### 3. 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.
- **Macro Photography Enhancement:** Effectively shortens the minimum focusing distance of your lens, transforming almost any lens into a macro lens.
- **Full Electronic Compatibility:** Retains full autofocus and auto-exposure functions, ensuring seamless operation with your Sony E-Mount camera and lens.
- **Flexible Magnification:** Includes 10mm and 16mm tubes that can be used individually or combined to achieve various magnification levels.
- **Optical Quality Preservation:** Contains no optical elements, ensuring that the original optical quality of your lens is maintained.
- **Optimized Signal Transmission:** Features built-in gilt metal contacts for reliable and efficient signal transmission between the camera and lens.
- **Reduced Internal Reflections:** Designed with a non-glare matte finish interior to minimize unwanted reflections and maximize image quality.



Image: Detail of the extension tube showing the gilt metal contacts and metal bayonets for secure and reliable connection.

## 4. SETUP AND INSTALLATION

Follow these steps to correctly attach the macro extension tubes to your Sony E-Mount camera and lens:



Image: Visual guide for attaching the extension tubes.

- 1. Remove the Lens:** Ensure your camera is powered off. 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 (either 10mm or 16mm, or both stacked) with the white dot on your camera body. Rotate the tube 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 attached extension tube. Rotate the lens clockwise until it clicks into place.
- 4. To Remove:** To remove the lens, press the lens release button on the extension tube and rotate the lens counter-clockwise. To remove the extension tube from the camera, press the tube release button on the camera body and rotate the tube counter-clockwise.

## 5. OPERATING INSTRUCTIONS

Macro extension tubes allow you to achieve closer focusing distances, resulting in higher magnification. The greater the total length of the extension tubes used, the closer your lens can focus, and the higher the magnification will be.

### Using Individual or Combined Tubes

The JJC AET-SES(II) set includes a 10mm tube and a 16mm tube. You can use them in the following configurations:

- **10mm Tube Only:** Provides a moderate increase in magnification.
- **16mm Tube Only:** Provides a greater increase in magnification than the 10mm tube.
- **10mm + 16mm Tubes (stacked):** Provides the maximum magnification possible with this set.



With 16mm on



With 10mm on



With 10mm + 16mm on

Image: A Sony camera with a lens, demonstrating the physical length added by the 10mm, 16mm, and combined 10mm+16mm extension tubes.



Original



10mm



16mm



10mm + 16mm

JJC AET-SES(II) fits macro photography well

Image: Visual comparison of macro photography results, showing increased magnification when using the 10mm, 16mm, and combined 10mm+16mm extension tubes on a rose.

## Can be used individually or in any combination

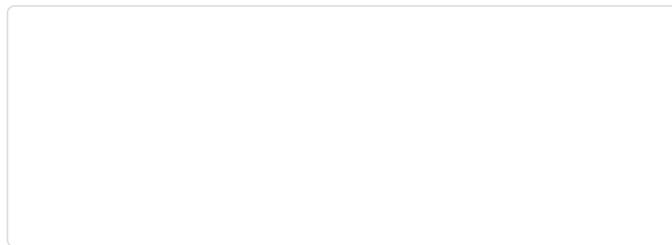


Image: Visual comparison of macro photography results, showing increased magnification when using the 10mm, 16mm, and combined 10mm+16mm extension tubes on a ladybug.

### Tips for Macro Photography with Extension Tubes

- **Lighting:** As you get closer to your subject, less light reaches the sensor. Consider using external lighting (e.g., a ring flash or LED panel) to illuminate your subject effectively.
- **Depth of Field:** Macro photography inherently has a very shallow depth of field. To increase the in-focus area, use a smaller aperture (higher f-number).
- **Stability:** Due to high magnification, camera shake is more pronounced. Use a tripod and a remote shutter release (or camera's self-timer) to ensure sharp images.
- **Focusing:** While autofocus is retained, it may perform less effectively at very close focusing distances, especially with multiple tubes stacked. Manual focusing may be necessary for precise results.

### Product in Action



Video: Demonstrates the installation and use of the JJC E Mount Auto Focus Macro Extension Tube Set for Sony cameras, showcasing its application in macro photography.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your JJC AET-SES(II) Macro Extension Tube Set, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry microfiber cloth to gently wipe the exterior of the tubes. For the electronic contacts, use a clean,

dry cotton swab or a specialized contact cleaner if necessary. Avoid using harsh chemicals or abrasive materials.

- **Dust Removal:** Use a blower brush to remove dust and debris from the interior of the tubes and the electronic contacts.
- **Storage:** When not in use, store the extension tubes in the provided storage pouch to protect them from dust, moisture, and scratches. Keep them in a cool, dry place away from direct sunlight.
- **Handling:** Always handle the tubes by their body, avoiding touching the electronic contacts or the interior surfaces.

## 7. TROUBLESHOOTING

If you encounter issues while using your macro extension tube set, consider the following:

- **Autofocus Performance:** When multiple tubes are stacked together, or at extreme close-up distances, autofocus may not perform optimally. This is a common characteristic of extension tubes across brands. In such cases, manual focus is recommended for precise results.
- **Insufficient Light:** The more/longer tubes you add, the more you may need to close the aperture to achieve focus, which requires more light. If images are dark, ensure adequate lighting for your subject.
- **Loose Connection:** If electronic communication is intermittent or lost, ensure that both the lens-to-tube and tube-to-camera connections are secure and properly aligned. Clean the electronic contacts if necessary.
- **Depth of Field Issues:** If your subject is not entirely in focus, remember that depth of field is very shallow in macro photography. Try using a smaller aperture (higher f-number) or focus stacking techniques.

## 8. SPECIFICATIONS

<b>Model Number</b>	AET-SES(II)
<b>Brand</b>	JJC
<b>Compatible Mountings</b>	Sony E-Mount
<b>Tube Lengths</b>	10mm, 16mm
<b>Lens Type</b>	Macro (with standard lenses)
<b>Electronic Contacts</b>	Yes (Gilt Metal)
<b>Autofocus Support</b>	Yes
<b>Auto Exposure Support</b>	Yes
<b>Optical Elements</b>	None
<b>Material</b>	Aluminum (camera mount), Brass (lens mount), ABS Plastic (tube body)
<b>Item Weight</b>	5 ounces
<b>Package Dimensions</b>	3.7 x 3.23 x 3.19 inches

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official JJC website. Keep your proof of purchase for any warranty claims.