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> [Meike 50mm F1.8 Full Frame AF STM Lens Instruction Manual for Sony E Mount](#)

Meike 50mm F1.8 Full Frame

Meike 50mm F1.8 Full Frame AF STM Lens Instruction Manual

For Sony E Mount Mirrorless Cameras

INTRODUCTION

Thank you for choosing the Meike 50mm F1.8 Full Frame AF STM Lens. This manual provides essential information for the proper setup, operation, and maintenance of your new lens. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

KEY FEATURES

- **Focal Length:** 50mm fixed prime lens.
- **Aperture:** Wide F1.8 aperture for excellent low-light performance and smooth background blur.
- **Autofocus:** Equipped with an AF STM (Stepping Motor) for fast, quiet, and precise autofocus.
- **Compatibility:** Designed for Sony E mount full-frame mirrorless cameras (e.g., A9, A7III, A7II, A7, A7R3, A7R4 series) and compatible with APS-C cameras (e.g., A6500, A6400, A6300, A6000).
- **Optical Design:** Features 11 elements in 7 groups for sharp image delivery.
- **Firmware Updates:** Includes a Type-C interface for convenient firmware updates.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Meike 50mm F1.8 AF STM Lens
- Front Lens Cap
- Rear Lens Cap
- Lens Hood
- Instruction Manual



Figure 1: Meike 50mm F1.8 lens with its front cap, rear cap, and lens hood.

SETUP

Attaching the Lens to Your Camera

1. Ensure your camera is powered off.
2. Remove the rear lens cap from the Meike 50mm F1.8 lens and the body cap from your camera.
3. Align the red dot on the lens barrel with the corresponding 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.



Figure 2: The Meike 50mm F1.8 lens securely attached to a Sony E-mount camera body.

AF/MF Switch

The lens features an AF/MF switch on its barrel, allowing you to quickly toggle between autofocus and manual focus modes. Slide the switch to 'AF' for autofocus or 'MF' for manual focus, depending on your shooting requirements.



Figure 3: The AF/MF switch for selecting focus mode.

Firmware Updates

The Meike 50mm F1.8 lens is equipped with a Type-C USB port for firmware updates. This ensures your lens remains compatible with the latest camera technologies and receives performance enhancements. Firmware updates are currently supported only on Android devices. Please visit the official Meike website for the latest firmware downloads and detailed update instructions.

OPERATING THE LENS

Autofocus (AF)

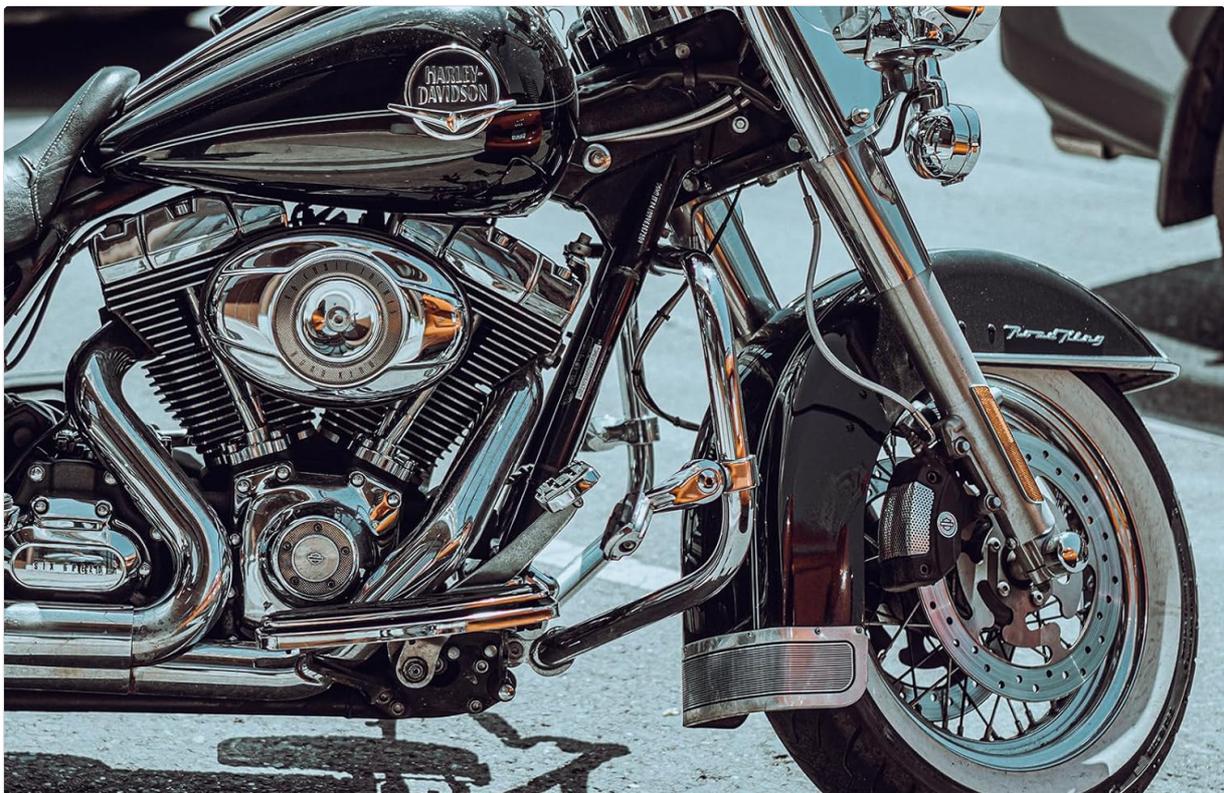
In AF mode, the lens utilizes its STM (Stepping Motor) to achieve fast and quiet focusing. This is ideal for both photography and video recording where silent operation is crucial. The lens supports various camera autofocus features, including Eye AF, for precise subject tracking.

Manual Focus (MF)

In MF mode, you can precisely adjust focus by rotating the focus ring on the lens barrel. This mode is beneficial for situations requiring fine control over focus, such as macro photography or specific creative effects.

Aperture Control

The F1.8 wide aperture allows for significant light gathering, making the lens suitable for low-light conditions. It also enables a shallow depth of field, producing a pleasing background blur (bokeh) that isolates your subject effectively. The lens features 9 aperture blades for smooth, circular bokeh.



Nine Blades Aperture

Figure 4: The lens's front element and its nine-blade aperture design.

MAINTENANCE

Proper care and maintenance will extend the life and performance of your lens.

- **Cleaning:** Use a soft, lint-free cloth to clean the lens barrel. For lens elements, use a specialized lens

cleaning solution and a microfiber cloth. Avoid touching the glass surfaces with your fingers.

- **Storage:** Store the lens in a dry, cool place away from direct sunlight and extreme temperatures. Use the front and rear lens caps when not in use to protect the elements.
- **Handling:** Avoid dropping or subjecting the lens to strong impacts.

TROUBLESHOOTING

Autofocus Failure

If you experience issues with autofocus, ensure the AF/MF switch is set to 'AF'. If the problem persists, check the Meike official website for any available firmware updates for your lens model. Updating the firmware can often resolve compatibility or performance issues.

SPECIFICATIONS

Feature	Specification
Brand	Meike
Model Number	Meike 50mm F1.8 E
Focal Length	50mm
Maximum Aperture	F1.8
Lens Type	Standard Prime Lens
Compatible Mountings	Sony E
Lens Construction	11 elements in 7 groups
Minimum Focus Distance	0.63 meters (2.06 feet)
Filter Size	58mm
Item Weight	10.6 ounces (approx. 300g)
Product Dimensions	1 x 1 x 1 inches (approximate)

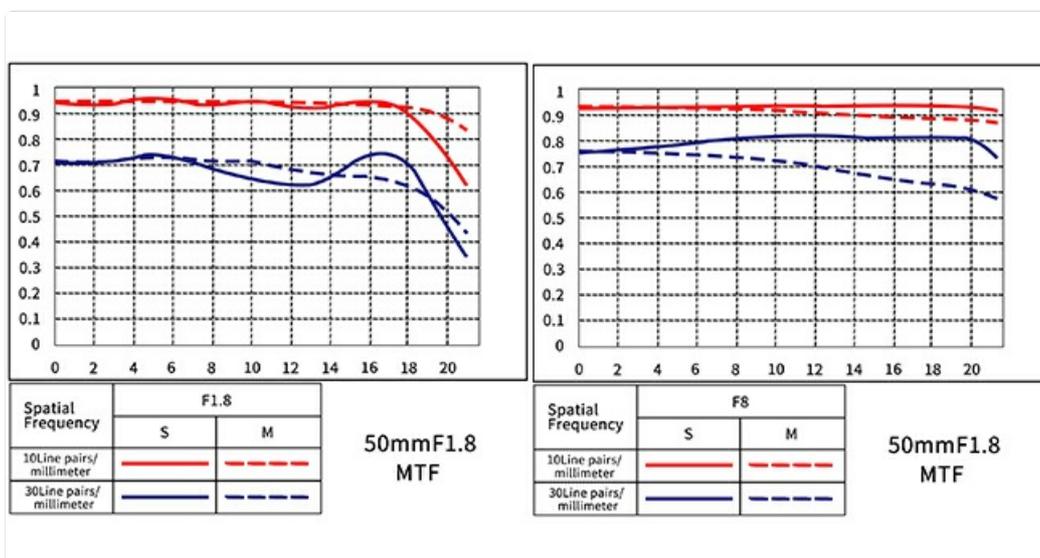


Figure 5: Modulation Transfer Function (MTF) chart illustrating lens performance.

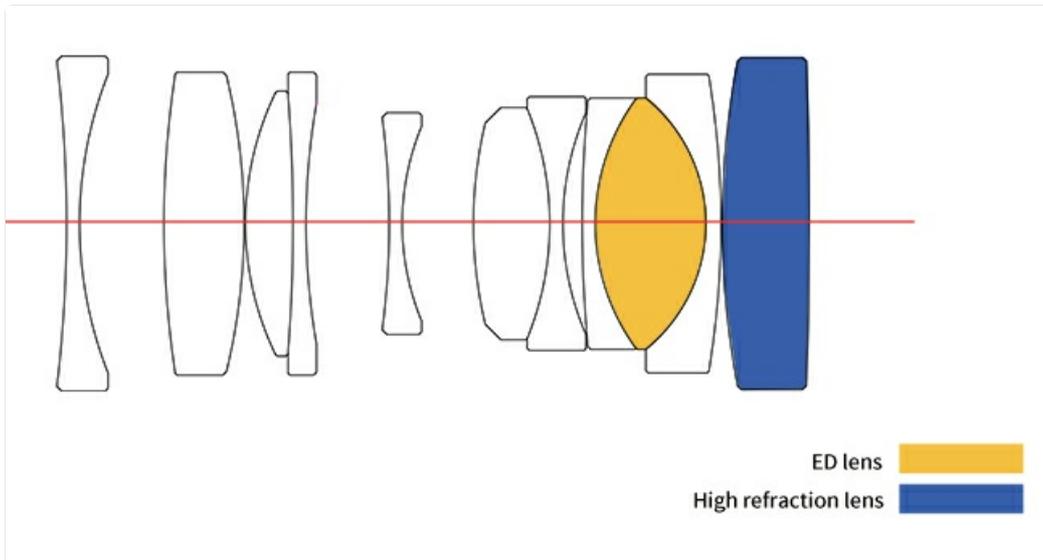


Figure 6: Optical diagram of the lens elements.

WARRANTY AND SUPPORT

For warranty information, technical support, and the latest product updates, please visit the official Meike website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.