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MEKE MK-14EXT

MEKE Macro Ring Lite Flash Light MK-14EXT User Manual

Model: MK-14EXT | Brand: MEKE

1. INTRODUCTION

The MEKE Macro Ring Lite Flash Light MK-14EXT is specifically designed for close-up photography. It produces a ring of light that effectively reduces shadows, making it ideal for macro shots. The flash tube is positioned in front of your lens, ensuring even illumination around the subject. This unit supports AF assist lamp functionality and TTL mode for precise exposure control. It utilizes high-quality LED lights to achieve natural light reproduction and offers various flash functions to meet diverse photographic needs.



Figure 1: MEKE Macro Ring Lite Flash Light MK-14EXT mounted on a Canon EOS DSLR camera.

2. SETUP

2.1. Battery Installation

The flash unit requires four (4) AA/LR6 alkaline batteries for operation. Open the battery compartment located on the main flash unit and insert the batteries, ensuring correct polarity. Close the compartment securely.



Figure 2: Detailed view of the flash unit, highlighting the battery compartment and controls.

2.2. Attaching Adapter Rings

Seven (7) adapter rings are included to ensure compatibility with various lens sizes: 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, and 77mm. Select the adapter ring that matches the filter thread size of your camera lens. Screw the appropriate adapter ring onto the front of your lens.

2.3. Mounting the Flash Unit and Ring Light

1. Slide the main flash unit onto your camera's hot shoe and secure it firmly.
2. Attach the Macro Ring Lite head to the adapter ring on your lens. Ensure it clicks into place or is securely fastened.



Figure 3: Front view of the Macro Ring Lite attached to a camera lens.

3. OPERATING INSTRUCTIONS

3.1. Power On/Off

Press the 'ON/OFF' button on the main flash unit to power the device on or off. The large LCD display will illuminate, showing current settings.

3.2. Flash Modes and Adjustments

- **TTL Mode:** The flash automatically adjusts its output based on the camera's light evaluation system, providing natural light for various shooting conditions.
- **Manual Adjustment:** Use the control dial to set the flash ratio control from 1:8 to 1:1 to 8 in 1/2-stop

increments. This allows for precise brightness output and flexible control.

- **Left and Right Flash Function:** The unit supports individual or combined firing of the two flash tubes. This feature allows for creating a three-dimensional effect on your subject by adjusting the light from the left and right sides.
- **AF Assist Lamp:** The built-in AF assist lamp helps the camera achieve focus in low-light conditions.
- **Flash Exposure Compensation:** Adjust flash exposure compensation manually in 1/3-stop increments to fine-tune lighting.



HIGH-PRECISION MANUAL ADJUSTMENT

8 power levels, each level has 3 fine tuning adjustment, giving you a more precise brightness output and flexible brightness control



FREE OPTION BETWEEN LAMP L , LAMP R AND BOTH LAMPS

Free option between L/R lamps and brightness ratio setting to achieve a more vivid visual effect



Figure 4: Manual adjustment and left/right flash function options.

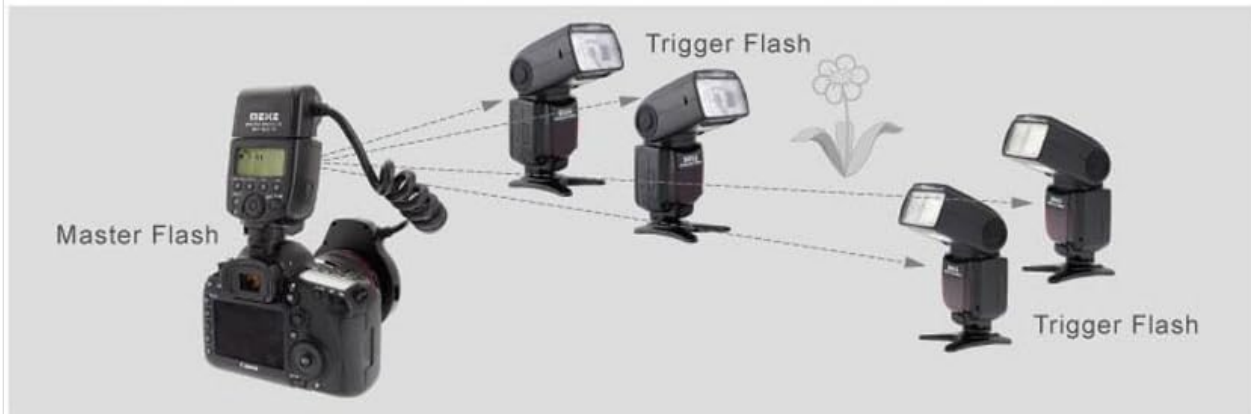
3.3. Optical Transmission and Multiple Flash

The flash supports optical transmission for master and slave modes, enabling different flash modes and combinations with other compatible flash units.



OPTICAL TRANSMISSION AND MULTIPLE FLASH: MASTER MODE+SLAVE MODE

Enable different mode and combination of flash through master mode and slave mode



POWER-SAVING MODE

save more power for you

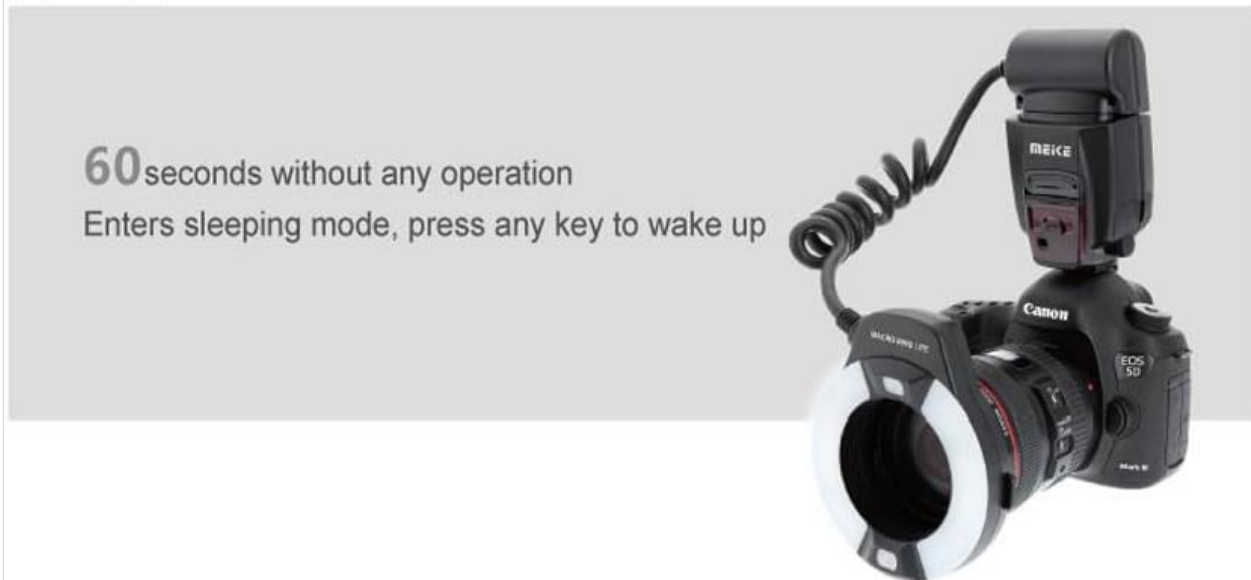


Figure 5: Optical transmission and multiple flash setup.

3.4. Power-Saving Mode

To conserve battery life, the unit will enter sleeping mode after 60 seconds of no operation. Press any key to wake it up.

4. SPECIFICATIONS

Feature	Specification
Max Sync Speed	1/320s
Type	Close-up
Guide No.	14/46 (ISO100, in meter/feet)

Feature	Specification
Effective Distance	Approx. 20cm-5m
Color Temperature	5500K
Flash Coverage	80° degrees in either direction
Firing Configuration	Two flash tubes can be fired together or single
Flash Ratio Control	1:8~1:1~8 in 1/2-stop increments
Flash Exposure Compensation	Manual, FBE: in 1/3-stop increments
Focusing Lamp Coverage	Approx. 40° top and bottom and 45° left and right
Focusing Lamp On Time	Approx. 20sec.
Recycling Timer	Approx. 0.1~5sec.
Supply Battery	4xAA/LR6 alkaline batteries
Battery Life	Approx. 100~800 flashes (with AA/LR6 alkaline batteries)
External Power Source	Compact battery pack Canon CP-E4
Compatible Mountings	Canon EOS (e.g., 5D Mark II/7D/60D/600D/550D/500D/1000D/1100D/5D/50D/40D/450D/600D/650D/5D Mark III)

5. MAINTENANCE

To ensure the longevity and optimal performance of your MEKE Macro Ring Lite Flash Light, follow these general maintenance guidelines:

- Keep the unit clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid exposing the flash to extreme temperatures or direct sunlight for prolonged periods.
- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Handle the flash and its components with care to prevent physical damage.

6. TROUBLESHOOTING

If you encounter issues with your MEKE Macro Ring Lite Flash Light, consider the following basic troubleshooting steps:

- **Flash not firing:** Check battery levels and ensure they are correctly inserted. Verify the flash unit is securely mounted on the camera's hot shoe. Confirm the camera and flash settings are compatible.
- **Uneven lighting:** Ensure the Macro Ring Lite head is properly attached to the lens and the correct adapter ring is used. Adjust the left/right flash ratio for desired lighting.
- **Unit not powering on:** Replace batteries with fresh ones. Ensure the ON/OFF switch is in the 'ON' position.

For persistent issues, refer to the detailed troubleshooting section in the full user manual or contact customer support.

7. WARRANTY AND SUPPORT

This product includes a Warranty Card. Please retain your purchase receipt and the warranty card for any warranty claims. For technical support or service inquiries, please refer to the contact information provided on the warranty card or the official MEKE website.