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› Meike /

› Meike MK-14EXT LED E-TTL Macro Ring Flash User Manual for Canon DSLR Cameras

Meike MK-14EXT

Meike MK-14EXT LED E-TTL Macro Ring Flash User Manual

Model: MK-14EXT

1. INTRODUCTION

The Meike MK-14EXT LED E-TTL Macro Ring Flash is designed to provide consistent and shadow-reducing illumination for macro photography. It features E-TTL II automatic output control, manual power adjustment, and flexible lighting options for various photographic needs. This manual provides instructions for its proper installation, operation, and maintenance.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- MK-14EXT LED Macro TTL Ring Flash Unit
- Control Unit
- 7 Adapter Rings (52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm)
- Protecting Bag
- Pedestal
- User Manual (this document)
- Warranty Card

3. SETUP

3.1 Battery Installation

The MK-14EXT requires four AA alkaline or AA Ni-MH batteries. Ensure correct polarity when inserting batteries.



Image: The control unit with its battery compartment open, illustrating the correct insertion of four AA batteries.

3.2 Attaching Adapter Ring

Select the appropriate adapter ring that matches the filter thread size of your camera lens. Screw the adapter ring onto the front of your lens.



Image: A set of seven adapter rings, each designed for a different lens filter thread size.

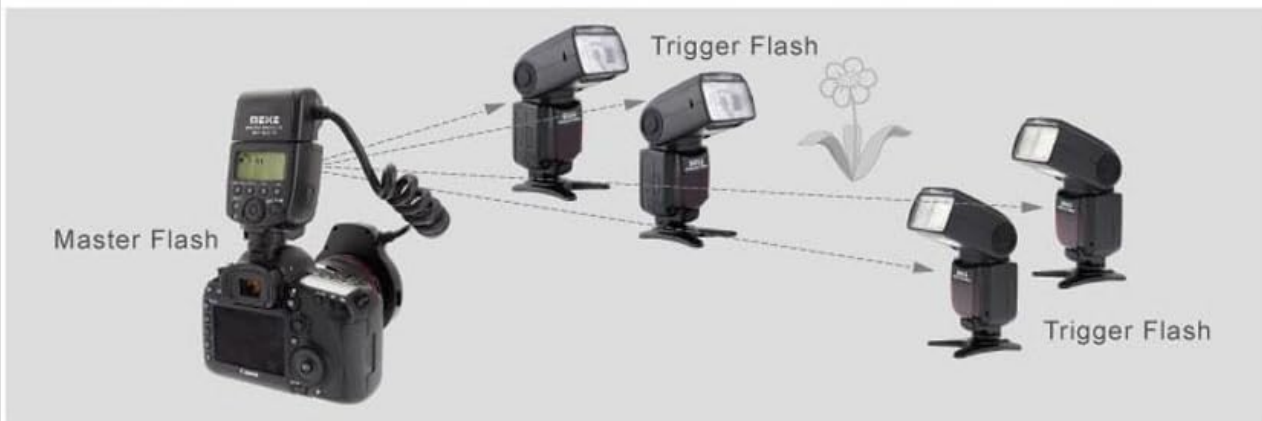
3.3 Mounting the Flash Unit

1. Slide the ring flash unit onto the attached adapter ring on your lens until it clicks into place.
2. Mount the control unit onto your camera's hot shoe.
3. Secure the control unit by rotating the fast lock mechanism.



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

60seconds without any operation

Enters sleeping mode, press any key to wake up



Image: Detailed view of the flash unit and control unit components, including mounting points and controls.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press the 'ON/OFF' button on the control unit to power the flash on or off. The display screen will illuminate upon activation.

4.2 Flash Modes

The MK-14EXT supports various flash modes:

- **TTL Mode:** Automatic output power adjustment based on the camera's light evaluation system.
- **Manual Mode:** Allows for precise manual control over flash output.
- **AB Lamp Brightness Ratio Mode:** Adjusts the brightness ratio between the left and right flash tubes.
- **Multi Mode (Repeating Flash):** Fires multiple flashes during a single exposure.

4.3 E-TTL II Function

In E-TTL II mode, the flash automatically adjusts its output power to suit the current environment, working in conjunction with the camera's pre-flash and light evaluation system for accurate exposure.



Image: Explanation of the E-TTL II automatic flash system.

4.4 Manual Power Adjustment

The flash offers 8 power levels, with each level providing 3 fine-tuning adjustments for precise brightness control.



GUIDE NO. 14

The maximum GN of MK-14EXT II-C ring flash is 14



E-TTL II

Automatical output power that is suitable for the current environment according to the pre-flash and camera light evaluation system.



Image: Visual representation of manual power adjustment and flash tube selection options.

4.5 Left and Right Flash Function

You can choose to fire both flash tubes, only the left tube, or only the right tube. This allows for creating a three-dimensional effect and controlling shadow direction in your macro shots.

4.6 Optical Transmission and Multiple Flash

The MK-14EXT supports optical transmission for master and slave modes, enabling it to trigger or be triggered by other compatible flash units for complex lighting setups.



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



Image: Depiction of master/slave flash setup and power-saving mode.

4.7 AF Assist Lamp

The built-in AF assist lamp helps the camera achieve focus in low-light conditions.

4.8 Power-Saving Mode

To conserve battery life, the flash unit will enter sleep mode after 60 seconds of inactivity. Press any button to wake it up.

5. MAINTENANCE

- Keep the flash unit clean and dry. Use a soft, dry cloth to wipe surfaces.
- Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight.

- If the flash will not be used for an extended period, remove the batteries to prevent leakage.
- Do not attempt to disassemble or repair the unit yourself, as this may void the warranty.

6. TROUBLESHOOTING

6.1 Flash Not Firing

- Check battery levels and ensure they are inserted correctly.
- Verify the flash unit is securely mounted on the camera's hot shoe.
- Ensure the flash is powered on and not in sleep mode.
- Check camera settings to ensure external flash is enabled and compatible.

6.2 Inconsistent Flash Output

- Ensure batteries have sufficient charge. Low battery power can affect consistency.
- Check for any obstructions between the flash and the subject.
- If in TTL mode, ensure the camera's metering system is functioning correctly.
- If in Manual mode, verify the power settings.

7. SPECIFICATIONS

Feature	Specification
Guide Number	14 (ISO100, in meters/feet)
Color Temperature	5500K
Flash Duration	1/200 - 1/20000 seconds
Recycle Time	Approx. 0.1 - 5 seconds (approx. 3 seconds with AA alkaline batteries)
Flash Times	100 - 800 times (with AA alkaline batteries)
Effective Distance	Approx. 20cm - 5m
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 degrees top/bottom, 45 degrees left/right
Focusing Lamp On Time	Approx. 20 seconds
Power Supply	4x AA alkaline batteries or AA Ni-MH batteries
Max Sync Speed	1/320s
Compatible Cameras	All Canon DSLR Cameras (e.g., 5D Mark II/III, 7D, 60D, 600D, 550D, 500D, 1000D, 1100D, 5D, 50D, 40D, 450D, 650D)
Dimensions (Ring Flash Only)	191mm x 77mm x 60mm
Weight (Ring Flash Only)	398g (approx. 1.32 lbs)

8. WARRANTY AND SUPPORT

8.1 Warranty Information

A warranty card is included with your product. Please refer to this card for detailed information regarding warranty coverage, terms, and conditions. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Meike customer support. Contact information can typically be found on the manufacturer's official website or on the warranty card.

