

Meike FC-100

Meike FC-100 LED Macro Ring Flash Light Instruction Manual

Model: FC-100

INTRODUCTION

The Meike FC-100 LED Macro Ring Flash Light is designed to provide shadow-free illumination for close-up, macro, medical, scientific, and forensic photography. Its design positions the light source directly around the camera lens, ensuring even lighting on the subject.

This manual provides detailed instructions for the proper setup, operation, and maintenance of your FC-100 Macro Ring Flash Light.

PACKAGE CONTENTS

- FC-100 Macro Ring Flash Unit
- Power Control Unit
- 7 Adapter Rings (52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm)
- Instruction Manual



Image: The Meike FC-100 Macro Ring Flash Light, including the ring flash unit, power control unit, and a set of adapter rings.



Image: The retail packaging for the Meike FC-100 Macro Ring Flash Light, showing the flash unit, control unit, adapter rings, and manual.

SETUP

1. Battery Installation

The FC-100 requires 4 standard AA batteries (not included). Ensure correct polarity when inserting batteries into the power control unit.



Image: A detailed view of the Meike FC-100 power control unit, highlighting the battery compartment and control buttons.

2. Mounting to Camera

Slide the hot shoe base of the power control unit completely into your camera's hot shoe mount. The FC-100 is compatible with universal hot shoe mounts on Canon, Nikon, Olympus, Panasonic, Fuji, and Pentax DSLR cameras (excluding Minolta due to special hot shoe design).



Image: The Meike FC-100 Macro Ring Flash Light's control unit mounted on a DSLR camera's hot shoe, with the ring flash attached to the lens.

3. Attaching Adapter Rings and Ring Flash

Select the appropriate adapter ring size (52mm, 55mm, 58mm, 62mm, 67mm, 72mm, or 77mm) that matches your camera lens filter thread. Carefully screw the adapter ring onto the front of your lens. Then, attach the FC-100 ring flash unit to the adapter ring.

***Note:** The adapter rings are made of plastic. Exercise caution to avoid cross-threading or overtightening, which could damage the rings or your lens.*

OPERATING INSTRUCTIONS

1. Power On/Off

To power on the unit, press and hold the "ON/OFF" button on the power control unit for approximately 5 seconds until the LED display illuminates. To power off, press and hold the "ON/OFF" button again.

2. Flash Modes

The FC-100 offers various flash modes to control illumination:

- **Full Flash Mode:** Both left and right LED lamps illuminate simultaneously for even, shadow-free

lighting.

- **Left Flash Mode:** Only the left LED lamps illuminate, creating a directional lighting effect.
- **Right Flash Mode:** Only the right LED lamps illuminate, creating a directional lighting effect.

Use the "MODE" button on the control unit to cycle through these options. The left and right flash functions can help create a three-dimensional effect in your macro photography.



Image: Illustration of the Meike FC-100's flash modes (Full, Left, Right) and its power-saving function.

3. Brightness Adjustment

The FC-100 features 8 power levels, each with 3 fine-tuning adjustments, providing precise brightness control. Use the "+" and "-" buttons on the power control unit to adjust the light intensity. The LED display will show the current brightness level.



Image: Demonstrates the Meike FC-100's high-precision manual brightness adjustment with 8 power levels and fine-tuning, shown with example macro shots.

4. Power-Saving Mode

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

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the flash unit and control unit. Do not use harsh chemicals or abrasive materials.
- **Battery Care:** Remove batteries from the power control unit when the flash is not in use for extended periods to prevent leakage and damage.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Unit Does Not Power On

- Ensure 4 fresh AA batteries are correctly installed with proper polarity.
- Confirm that the power switch is pressed and held for approximately 5 seconds to activate the unit.
- Check if the hot shoe base is fully inserted into the camera's hot shoe.

Inconsistent or Weak Flash Output

- Verify battery levels. Replace with fresh batteries if needed.
- Adjust the brightness level using the "+" and "-" buttons on the control unit.
- Ensure the flash is properly synchronized with your camera's shutter speed.

Vignetting or Dark Corners in Photos

- This can occur with certain wide-angle lenses. Try using a longer focal length or a different lens if possible.
- Ensure the adapter ring and ring flash are securely but not excessively tightened, and not obstructing the lens's field of view.

Adapter Rings Difficult to Attach/Remove

- The adapter rings are plastic. Align them carefully before screwing them onto the lens to prevent cross-threading.
- Do not overtighten. If stuck, try gently twisting in both directions to loosen.

SPECIFICATIONS

Model	FC-100
Guide Number	15GN
Flash Range	5-150 cm
Color Temperature	5500K
Flash Duration	1/100s
Power Source	4 x AA Batteries (not included)
Weight (approx.)	170g (flash unit only)
Product Dimensions	4.72 x 2.36 x 3.15 inches (control unit)
Adapter Ring Sizes	52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm
Compatible Mountings	Universal Hot Shoe (Canon, Nikon, Olympus, Panasonic, Fuji, Pentax)

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Meike website. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the [Meike Store on Amazon](#) for additional product information.

