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› **Bower SFDRF Digital Macro Ring Light Flash Instruction Manual**

Bower SFDRF

Bower SFDRF Digital Macro Ring Light Flash Instruction Manual

INTRODUCTION

The Bower SFDRF Digital Macro Ring Light Flash is designed to provide convenient and creative lighting for various close-up photography applications, including documents, medical subjects, dental work, nature, and small objects. This unit utilizes a circular light source to deliver even, shadow-free illumination, which is particularly beneficial at short working distances where built-in or conventional flash units may be ineffective. Its two-piece design ensures ease of handling and camera balance, making it a versatile tool for both digital and 35mm SLR cameras.

PACKAGE CONTENTS

Verify that all the following items are included in your package:

- SFDRF Digital Macro Ring Light Flash Unit (Flash Head and Control Unit)
- 58mm Adapter Ring (for direct connection)
- 52mm Adapter Ring
- 55mm Adapter Ring
- 62mm Adapter Ring

Additional adapter rings (37mm through 72mm) may be purchased separately for compatibility with other lens filter sizes.

SETUP

1. **Battery Installation:** Open the battery compartment on the control unit. Insert four (4) AA-size batteries, ensuring correct polarity. Close the compartment securely.
2. **Mounting the Control Unit:** Slide the control unit onto your camera's accessory hot shoe. Secure it by tightening the locking mechanism on the control unit.
3. **Attaching the Flash Head to the Lens:**
 - For lenses with a 58mm filter size, the flash head connects directly.
 - For lenses with 52mm, 55mm, or 62mm filter sizes, select the appropriate adapter ring. Screw the adapter ring onto the front filter thread of your lens, then attach the flash head to the

adapter ring.

- Ensure the flash head is securely attached to prevent accidental detachment during use.

4. **Connecting the Cable:** Connect the cable from the flash head to the control unit. Ensure the connection is firm.



This image displays the Bower SFDRF Digital Macro Ring Light Flash, including the circular flash head, the control unit that mounts to the camera's hot shoe, and various adapter rings for different lens sizes.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Use the multi-function switch on the control unit to turn the flash on or off.
2. **Test Fire:** The multi-function switch also includes a test fire function. Press it to manually trigger the flash and confirm operation.
3. **Mode Selection:** The SFDRF offers a choice of manual or auto-sensor control. Select the desired mode based on your photographic needs. In auto-sensor mode, the flash adjusts its output based on ambient light conditions.
4. **Flash Duration:** The flash fires as fast as 1/50,000th of a second, effectively freezing movement for sharp macro photography.
5. **Creative Lighting Control:** For situations where shadow-free images are not desired, the flash head can be detached from the lens and aimed manually to achieve creative lighting effects.
6. **Tripod Mounting:** The control unit features a built-in tripod socket, allowing it to be mounted to positioning arms or other supports for off-camera flash setups.
7. **Exposure Management:** Due to the powerful output of the ring flash, it may be necessary to adjust your camera's exposure settings (e.g., aperture, ISO) to prevent overexposure, especially in close-up situations. Consider using neutral density (ND) filters if your camera's minimum ISO and maximum aperture settings still result in overexposed images.

MAINTENANCE

- Keep the flash unit clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- When not in use for extended periods, remove the AA batteries from the control unit to prevent leakage and potential damage.
- Store the flash in a dry, cool place, away from direct sunlight and extreme temperatures.
- Handle the unit with care, as its construction is primarily thin plastic. Avoid dropping or subjecting it to strong impacts.

TROUBLESHOOTING

- **Flash Not Firing:**
 - Check if the batteries are correctly installed and have sufficient charge.
 - Ensure the control unit is securely mounted on the camera's hot shoe and the cable connection to the flash head is firm.
 - Verify the flash is powered on.
- **Images are Overexposed (Washed Out):**
 - The flash output may be too strong for your current camera settings. Adjust your camera's aperture to a smaller opening (higher f-number), lower the ISO sensitivity, or increase the shutter speed (within your camera's flash sync speed limits).
 - Consider using neutral density (ND) filters on your lens to reduce the amount of light reaching the sensor.
- **Focusing Issues with Autofocus:**
 - The cable connecting the flash head to the control unit may exert tension, potentially affecting lens focus. If experiencing issues, try to manage the cable's position to minimize tension or switch to manual focus.

SPECIFICATIONS

Brand	Bower
Model	SFDRF
Camera Flash Type	Macro Ring Light Flash
Wireless Communication Technology	Optical Pulse
Mounting Type	Hot Shoe Mount
Power Source	4 x AA Batteries
Flash Head Weight	4.2 ounces (approx.)
Package Dimensions	5.9 x 4.4 x 3.4 inches
Item Weight	12 ounces

WARRANTY AND SUPPORT

The Bower SFDRF Digital Macro Ring Light Flash is backed by a lifetime warranty. For warranty claims or technical support, please refer to the contact information provided with your product packaging or visit the

official Bower website.