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› NEEWER RF1-C Macro Ring Flash for Canon - Instruction Manual

NEEWER RF1-C

NEEWER RF1-C Macro Ring Flash for Canon

Model: RF1-C | Brand: NEEWER

1. INTRODUCTION

The NEEWER RF1-C Macro Ring Flash is designed for Canon cameras, providing specialized lighting for macro photography. Its ring-shaped design ensures even illumination, minimizing harsh shadows and vignetting, which is crucial for detailed close-up shots of subjects like plants, insects, and small objects. This compact and lightweight flash offers versatile lighting control with multiple modes and adjustable output.



Image: The NEEWER RF1-C Macro Ring Flash mounted on a Canon camera, showcasing its ring design.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- 1 x RF1-C Macro Ring Flash
- 4 x Color Gel Filters (White, Red, Green, Yellow)
- 8 x Lens Adapter Rings (49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm)
- 1 x Instruction Manual

LENS ADAPTERS

For following filter thread sizes

49 / 52 / 55 / 58 / 62 / 67 / 72 / 77mm



PACKAGE CONTENTS



1 x RF1-C Ring Flash Light



8 x Color Filter



8 x Lens Adapter



1 x Manual

Image: A visual representation of the NEEWER RF1-C Macro Ring Flash and its included accessories.

3. SETUP INSTRUCTIONS

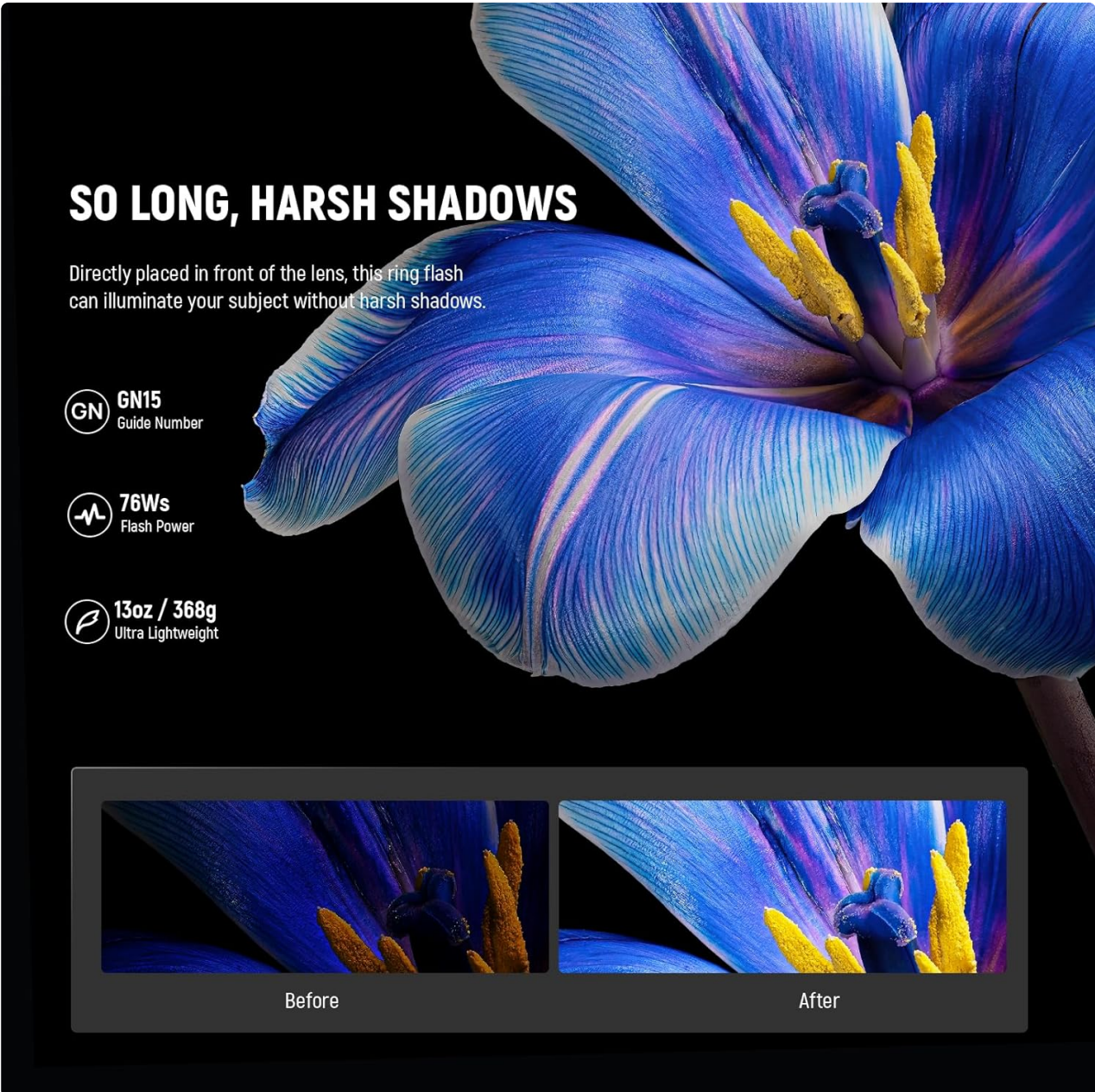
3.1 Battery Installation

The RF1-C Macro Ring Flash requires 4x AA batteries for power. Ensure you use 1.5V high-drain rechargeable or alkaline batteries for optimal performance. Open the battery compartment, insert the batteries according to the polarity indicators, and close the compartment securely.

3.2 Attaching to Camera

1. Slide the flash unit onto your camera's hot shoe mount until it clicks into place.
2. Secure the flash by tightening the locking mechanism on the hot shoe mount.
3. Select the appropriate lens adapter ring (49/52/55/58/62/67/72/77mm) that matches your camera lens filter thread.
4. Screw the chosen adapter ring onto the front of your camera lens.
5. Attach the ring flash head to the lens adapter ring by aligning the mounting points and twisting until it locks.

6. Connect the coiled cable from the ring flash head to the main flash unit.




SO LONG, HARSH SHADOWS

Directly placed in front of the lens, this ring flash can illuminate your subject without harsh shadows.

GN15
Guide Number

76Ws
Flash Power

13oz / 368g
Ultra Lightweight



Before

After

Image: The NEEWER RF1-C Macro Ring Flash fully assembled and mounted on a Canon camera, ready for use.

4. OPERATING MODES

The RF1-C offers three primary flash modes to suit various photographic needs:

- **TTL Mode (Through The Lens):** This mode automatically determines the correct flash exposure by measuring the light through the camera lens. It supports exposure compensation, exposure bracketing, and flash lock for precise control.
- **M Mode (Manual):** In Manual mode, you can manually adjust the flash output from 1/1 (full power) to 1/128 power. This provides complete control over the flash intensity, allowing for fine-tuning based on ambient light conditions and desired effects.
- **MULTI Mode (Stroboscopic):** This mode allows for creative stroboscopic flashes, firing multiple flashes during a single exposure to capture a sequence of movements.

The A/B flash tubes can be controlled independently or collectively. In TTL/M modes, the flash ratio is

adjustable from 8:1 to 1:1 to 1:8 in 1/2 stop increments, enabling fine-tuning of image contrast and directional lighting.

4.1 Assist Focus Lights

The flash unit includes two assist focus lights to aid in quick focusing in low-light conditions. These lights help the camera's autofocus system achieve accurate focus before the main flash fires.

A GIANT LEAP FOR FLASH LIGHTING

M MANUAL MODE

1/1-1/128

Power Adjustment

Fine tune based on actual ambient light conditions.

STROBE MODE

FRONT / REAR CURTAIN

Image: Visual examples demonstrating the effects of different flash modes and sync options.

5. CUSTOM FUNCTION SETTINGS

The RF1-C features a simple LCD for clear readouts and easy adjustments of custom functions. These settings allow you to tailor the flash's behavior to your specific photography requirements.

Custom Function Settings

Function Symbol	Custom Function	Setting Symbol	Setting & Explanation
STBY	Auto Sleep	ON	Turn on
		OFF	Turn off
BEEP	Buzzer	ON	Turn on
		OFF	Turn off
LIGHT	Backlight Illumination Time	12s	Auto off after 12s
		ON	Always on
		OFF	Always off
LCD	LCD Contrast	-3 - +3	7 levels



EASY OPERATION

Improved Imaging

DUAL MODELING LIGHT

2 auxiliary focus lights facilitates focusing in dark environments.

4 CUSTOM FUNCTION SETTINGS

Meet advanced photography requirements

Function Symbol	Custom Function	Setting Symbol	Setting & Explanation
STBY	Auto Sleep	ON	Turn on
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BEEP	Buzzer	ON	Turn on
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		ON	Always on
LCD	LCD Contrast	-3 - +3	7 levels

Image: The LCD interface of the flash unit, showing various customizable settings.

6. COLOR GEL FILTERS

The RF1-C includes white, red, green, and yellow color gel filters. These filters can be magnetically attached to the flash head to introduce atmospheric and artistic effects into your macro photography. Experiment with different colors to enhance the mood or highlight specific aspects of your subjects.



COLOR YOUR SHOTS

Capture your macro world with 5600K±200K cool daylight or three expressive colors.



Image: The included color gel filters for creative lighting effects.

7. SPECIFICATIONS

Feature	Detail
Product Model	RF1-C
Guide Number	GN15 (ISO 100, 1M)
Power Output	76Ws
Color Temperature	5600K
Compatibility	Canon DSLR / Mirrorless Camera
Power Supply	4x AA batteries (rechargeable or alkaline recommended)
Trigger Method	Hot shoe trigger, Test manual trigger, PC sync cable
Flash Modes	E-TTL / M / MULTI
Flash Duration	1/400s - 1/19300s
Sync Mode	Front curtain sync, Rear curtain sync
PC Sync Interface	Sync speed
Number of Flashes	100-1500 (depending on battery brand and output power)
LED Assist Focus Light	Illuminance Approx. 10Lux/0.5m
External Power Supply	Canon universal CP-E4 compatible
Recycling Time	Approx. 0.1-2.7s
Sync Triggering Method	Hot shoe, PC sync cable
Dimensions	2.8"x2.8"x0.8" / 71x71x20.2 mm
Net Weight	13oz / 368g (excluding batteries)

8. TROUBLESHOOTING

• Flash Not Firing:

- Ensure batteries are correctly installed and have sufficient charge.
- Verify the flash unit is securely mounted on the camera's hot shoe.
- Check camera settings to ensure external flash is enabled.
- Confirm the flash is powered on and not in sleep mode.

• Incorrect Exposure (Too Bright/Dark):

- In TTL mode, adjust Exposure Compensation on your camera or flash.
- In Manual mode, adjust the flash output power (1/1 to 1/128).
- Check camera's ISO, aperture, and shutter speed settings.

• Flash Not Syncing:

- Ensure the flash is set to the correct sync mode (Front/Rear Curtain).
- Verify the camera's shutter speed is within the flash's sync speed capabilities (typically 1/200s or slower).

9. MAINTENANCE

- Keep the flash unit and accessories clean and dry. Use a soft, lint-free cloth for cleaning.
- Avoid exposing the flash to extreme temperatures, humidity, or direct sunlight for extended periods.
- Remove batteries if the flash will not be used for an extended period to prevent leakage.
- Store the unit in a protective case to prevent dust and physical damage.

10. WARRANTY AND SUPPORT

The NEEWER RF1-C Macro Ring Flash comes with a 1-Year Manufacturer Warranty. For technical support, warranty claims, or further assistance, please visit the official NEEWER store or contact their customer service.

Official NEEWER Store: [NEEWER Store on Amazon](#)