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GODOX MF-R76N

GODOX MF-R76N TTL Macro Ring Flash User Manual

Model: MF-R76N

1. Introduction

The GODOX MF-R76N TTL Macro Ring Flash is a specialized lighting tool designed for macro photography, offering precise and even illumination for close-up subjects. It features TTL (Through-The-Lens) automatic flash control, manual power adjustment, and a dual-flash tube design for versatile lighting effects. This manual provides detailed instructions for the proper setup, operation, and maintenance of your MF-R76N flash unit.



Figure 1.1: GODOX MF-R76N TTL Macro Ring Flash and included accessories.

2. Safety Information

Please read and understand all safety precautions before using this product to prevent injury to yourself or others and damage to the device. Keep this manual for future reference.

- Do not disassemble or modify the flash unit.
- Keep the device dry. Do not handle with wet hands or immerse in water.
- Do not use the flash in the presence of flammable gases or liquids.
- Avoid direct eye exposure to the flash, especially at close range, as it can cause temporary vision impairment.
- Keep out of reach of children.
- Use only the specified battery and charging accessories.

3. What's in the Box

Verify that all items are present in your package:

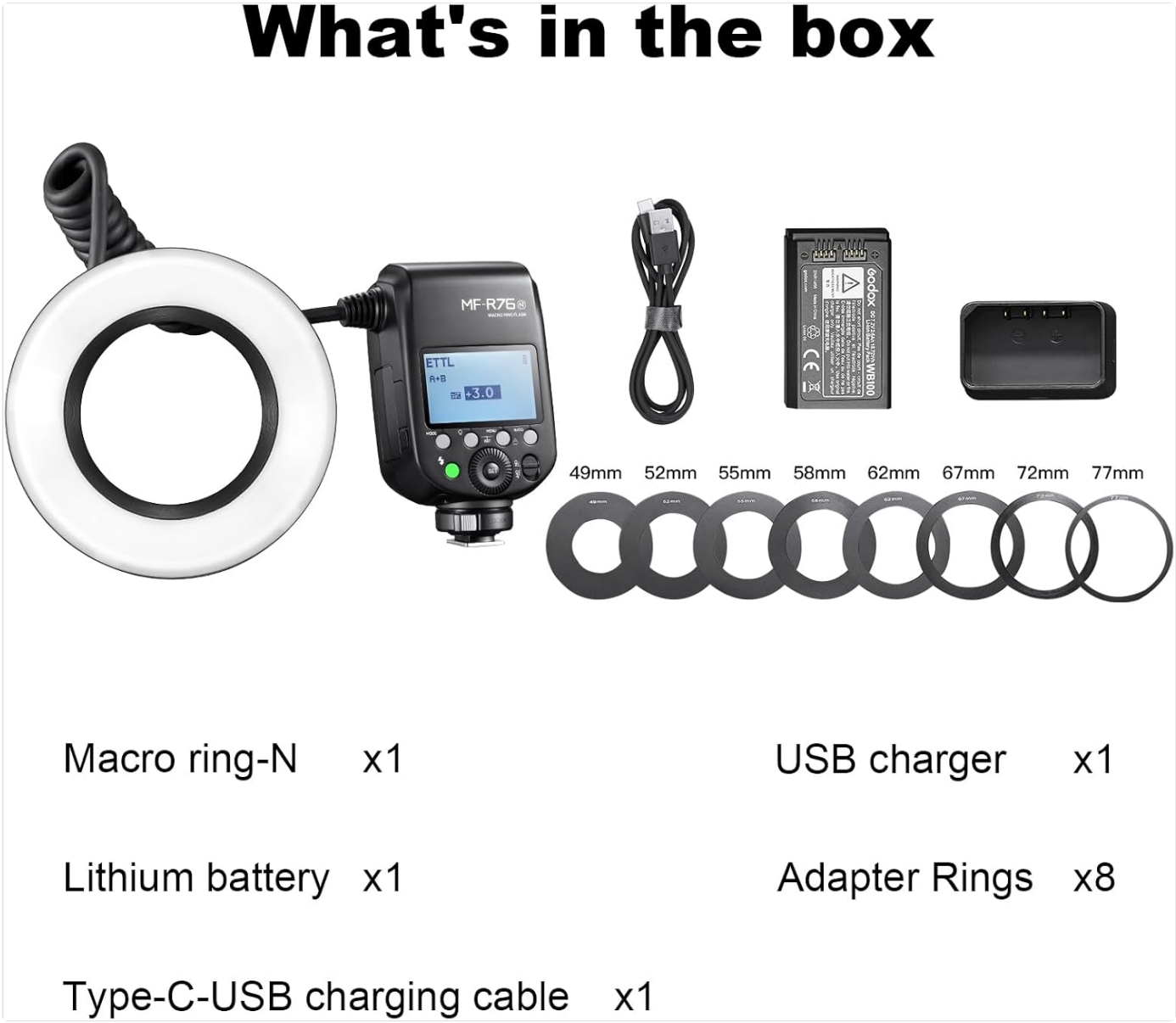


Figure 3.1: Packaging contents of the MF-R76N.

- Godox MF-R76N Ring Flash and Battery (1 set)
- USB Charger (1)
- Lithium Battery (1)
- Adapter Rings (8 sizes: 49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm, 77mm)
- Type-C USB Charging Cable (1)

4. Product Overview

The MF-R76N consists of a controller unit and a ring flash head. The controller unit mounts onto your camera's hot shoe, and the ring flash head attaches to your lens via an adapter ring.



Figure 4.1: MF-R76N Controller Unit Display.

Key Features:

- **TTL Macro Ring Flash:** Automatic flash exposure for Nikon cameras.
- **Dual-Flash Tubes:** Independently controllable flash tubes for creative lighting.
- **2.4G Wireless System:** Integrated wireless control for multi-flash setups.
- **Universal Compatibility:** Includes adapter rings for various lens diameters (49-77mm).
- **Rechargeable Lithium Battery:** Provides long-lasting power for extended shooting sessions.

5. Setup

5.1 Battery Installation and Charging

The MF-R76N uses a powerful rechargeable lithium battery. Ensure the battery is fully charged before first use.

1. Insert the lithium battery into the battery compartment on the controller unit.
2. To charge, connect the Type-C USB charging cable to the controller unit and a USB power source. The charging indicator will show the charging status.



Figure 5.1: Battery and Charging Information.

5.2 Mounting the Flash Unit

The MF-R76N is designed for universal compatibility with various camera lenses.

1. **Attach Controller Unit:** Slide the controller unit onto your camera's hot shoe until it clicks into place. Secure it by tightening the locking wheel.
2. **Select Adapter Ring:** Choose the appropriate adapter ring (49mm, 52mm, 55mm, 58mm, 62mm, 67mm, 72mm,

77mm) that matches your lens filter thread diameter.

3. **Mount Adapter Ring:** Screw the selected adapter ring onto the front filter thread of your camera lens.
4. **Attach Ring Flash Head:** Align the ring flash head with the adapter ring and gently push it onto the ring until it locks securely.



Figure 5.2: Universal Compatibility and Mounting.

6. Operating Instructions

6.1 Power On/Off

Press and hold the power button on the controller unit to turn the flash on or off.

6.2 Flash Modes

The MF-R76N supports TTL (Through-The-Lens) and Manual (M) flash modes.

- **TTL Mode:** The flash automatically adjusts its output for correct exposure. Use the control dial to adjust Flash Exposure Compensation (FEC).
- **Manual Mode:** Manually set the flash power output from 1/1 to 1/256. You can adjust the power for Flash A and Flash B independently.



Figure 6.1: Independent Flash Tube Control.

6.3 Wireless Control (2.4G System)

The MF-R76N features a built-in 2.4G wireless transceiver, allowing it to function as a master or slave unit within the Godox 2.4G wireless system.



Figure 6.2: 2.4G Wireless System for Flexible Light Control.

6.4 High-Speed Synchronization (HSS)

The MF-R76N supports High-Speed Sync, allowing you to use flash at shutter speeds faster than your camera's native flash sync speed. This is useful for shooting with wide apertures in bright conditions.

6.5 Video Guide to Key Operations

Watch this video for a visual guide on adjusting flash modes, setting up wireless channels, and utilizing high-speed synchronization.

Video 6.1: Demonstrates flash mode adjustments (TTL/Manual), setting wireless channels and IDs, enabling high-speed synchronization, and performing a lamp body reset on the MF-R76N.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, use a slightly damp cloth with mild detergent, then wipe dry. Do not use solvents or abrasive cleaners.
- **Battery Care:** Store the battery in a cool, dry place when not in use. If storing for extended periods, charge the battery to about 50% capacity every three months to prolong its lifespan.
- **Storage:** Store the flash unit in a dry, dust-free environment. Remove the battery if the unit will not be used for a long time.

8. Troubleshooting

Problem	Possible Cause	Solution
Flash does not fire.	Low battery; Incorrect hot shoe connection; Flash is off.	Charge battery; Re-mount flash securely; Turn flash on.
Flash output is inconsistent.	Incorrect mode setting; Interference in wireless mode.	Check flash mode (TTL/M); Change wireless channel/ID.
Ring flash head not attaching securely.	Incorrect adapter ring size; Not fully engaged.	Ensure correct adapter ring is used; Push firmly until it clicks.
LCD screen is blank.	Battery depleted; Unit is off.	Charge battery; Power on the unit.

9. Specifications

Feature	Detail
Model Number	MF-R76N
Product Dimensions	5.12 x 5.12 x 1.97 inches
Item Weight	2.27 pounds
Batteries	1 Lithium Ion battery required (included)
Compatible Mountings	Nikon
Battery Life	Up to 660 flashes at full power (approx. 660 minutes)
Flash Sync Speed	Up to 1/250s (supports HSS)
Color Temperature	5900K

Feature	Detail
Wireless Control	2.4G Wireless System

10. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or visit the official GODOX website. Keep your purchase receipt as proof of purchase for warranty claims.

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