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Metz MZ 44314N

Metz MZ 44314N 44 AF-1 I-TTL / I-TTL BL Flash Instruction Manual

MODEL: MZ 44314N

Introduction

This manual provides detailed instructions for the safe and effective use of your Metz MZ 44314N 44 AF-1 I-TTL / I-TTL BL Flash unit. Designed for Digital Nikon Cameras, this flash offers high performance and a user-friendly interface. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

Safety Information

- Do not expose the flash unit to water or excessive moisture.
- Avoid direct exposure of the flash light to human or animal eyes at close range.
- Use only specified batteries (AA alkaline-magnesium, NC, or NiMH rechargeable batteries).
- Do not attempt to disassemble or repair the unit yourself. Refer to qualified service personnel.
- Keep out of reach of children.

Package Contents

Verify that all items are present in the package:

- Metz MZ 44314N 44 AF-1 Flash Unit
- 4 x AA batteries (included for initial use)
- Instruction Manual (this document)

Product Overview



Image: The Metz MZ 44314N 44 AF-1 flash unit, showcasing its main body, flash head, and mounting foot. The Metz logo and '44 AF-1 digital' model designation are visible on the front.

The Metz MZ 44314N 44 AF-1 is a shoe-mount flash unit featuring a robust design and intuitive controls. Key components include the flash head with integrated wide-angle diffuser and flip-out reflector card, a control panel with illuminated keys, and a hot shoe mounting foot for secure attachment to compatible Nikon cameras.

Setup

1. Battery Installation

1. Locate the battery compartment cover on the flash unit.

2. Open the cover and insert four (4) AA alkaline-magnesium, NC, or NiMH rechargeable batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

2. Mounting to Camera

1. Ensure both the camera and flash unit are powered off.
2. Slide the flash unit's mounting foot into the camera's hot shoe.
3. Secure the flash unit by tightening the locking mechanism on the mounting foot.

Operating Instructions

Basic Operation

The 44 AF-1 features a straightforward control panel with illuminated keys for easy navigation and setting adjustments. Power on the unit using the designated power button.

Flash Modes

- **i-TTL / i-TTL-BL Mode (Nikon):** This mode provides automatic flash exposure control, integrating seamlessly with Nikon camera systems for balanced fill-flash and general flash photography.
- **Slave Function:** The unit can be used as a remote slave flash in TTL mode, triggered by the camera's built-in flash or another master flash. This allows for flexible off-camera lighting setups.
- **Manual Mode:** Adjust the flash output manually using four partial lighting levels available on the back of the unit. This provides creative control over flash intensity.

Zoom Function

The flash unit features a fully automatic motor zoom head that adjusts for focal lengths from 24 mm to 105 mm, optimizing light coverage for your lens. For wider angles, an integrated wide-angle diffuser provides illumination for 12 mm focal lengths.

Reflector System

The flash head offers a versatile swivel and tilt mechanism:

- **Vertical Swivel:** +90°
- **Horizontal Swivel:** 300°

A flip-out reflector card is integrated for bouncing flash, providing softer and more diffused illumination.

Modeling Light

A modeling light function (permanent light) is available to check the image illumination before taking a shot, subject to camera compatibility.

Autofocus Flash Metering

The unit includes integrated autofocus flash metering to assist the camera's autofocus system in low-light conditions.

Maintenance

- Clean the flash unit with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ensure the hot shoe contacts are clean and free of debris for reliable communication with the camera.

- When storing for extended periods, remove the batteries to prevent leakage.

Troubleshooting

- **Flash not firing:** Check battery levels, ensure the flash is securely mounted to the camera, and verify camera flash settings.
- **Incorrect exposure:** Review camera and flash exposure compensation settings. Ensure the flash mode is appropriate for the shooting conditions.
- **Flash not recognized by camera:** Power cycle both the camera and flash. Clean the hot shoe contacts.
- **Slow recycle time:** This typically indicates low battery power. Replace or recharge batteries.

Specifications

Feature	Specification
Guide Number	44 (ISO 100/21° and 105 mm)
Vertical Swivel	+90°
Horizontal Swivel	300°
Motor Zoom	24 - 105 mm illumination
Wide-Angle Diffuser	For 12 mm illumination
Flash Modes	i-TTL / i-TTL-BL (Nikon), Slave, Manual (4 partial levels)
Autofocus Flash Metering	Integrated
Firmware Update	Via integrated USB socket
Power Supply	4 x AA alkaline-magnesium, NC, or NiMH rechargeable batteries
Product Dimensions	3 x 4.5 x 5.5 inches
Item Weight	1 pound
ASIN	B004Q9SXQY
Item Model Number	MZ 44314N
Date First Available	February 1, 2011

Firmware Updates

The Metz MZ 44314N features an integrated USB interface for convenient firmware updates. This ensures the flash unit remains compatible with new camera models and benefits from performance enhancements. Visit the official Metz website for the latest firmware and update instructions.

Warranty Information

Metz products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Metz website. Keep your proof of purchase for warranty claims.

Support

For technical assistance, troubleshooting, or service inquiries, please contact Metz customer support through their official website or the contact information provided in your product packaging. Ensure you have your model number (MZ 44314N) and purchase details ready.

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