

DÖRR DAF-14

DÖRR DAF-14 Ring Flash for Nikon DSLR User Manual

Model: DAF-14 | Brand: DÖRR

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your DÖRR DAF-14 Ring Flash. The DAF-14 is specifically designed for Nikon DSLR cameras, offering automatic TTL flash control and a guide number of 14 (ISO 100, 105mm). It is ideal for macro photography and other applications requiring even, shadow-free illumination.

Please read this manual thoroughly before operating the device to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

- **Battery Safety:** Use only specified AA batteries (alkaline, NiCd, or NiMH). Do not mix old and new batteries, or different types of batteries. Ensure correct polarity when inserting. Remove batteries if the flash will not be used for an extended period.
- **Water and Moisture:** This device is not water-resistant. Do not expose the flash to rain, moisture, or high humidity.
- **Heat:** Avoid exposing the flash to direct sunlight or high temperatures. Do not cover the flash head during operation, as this may cause overheating.
- **Handling:** Handle the flash unit with care. Avoid dropping or subjecting it to strong impacts.
- **Disassembly:** Do not attempt to disassemble or repair the flash unit yourself. Refer all servicing to qualified personnel.
- **Eye Protection:** Do not fire the flash directly into eyes at close range, as this may cause temporary vision impairment.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- DÖRR DAF-14 Ring Flash Unit
- Adapter Rings (55mm, 58mm, 67mm)
- Lens Filter Thread (52mm)

- Instruction Manual (this document)



Figure 3.1: The DÖRR DAF-14 Ring Flash packaging, showing the flash unit and included accessories.

4. PRODUCT OVERVIEW

The DÖRR DAF-14 Ring Flash is a dedicated macro flash unit designed to provide even and consistent illumination for close-up photography. Its ring-shaped design minimizes shadows, making it ideal for detailed subjects.

Key Features:

- Guide Number of 14 (ISO 100, 105mm)
- Fully Automatic TTL Flash Control
- Automatic TTL Range: 0.9 to 7 meters
- Auto Exposure Confirmation
- Flash Duration: 1/700 second (at full power)
- Color Temperature: 5600K
- Compatible with Nikon DSLR cameras
- Includes adapter rings for various lens filter threads



Figure 4.1: The DÖRR DAF-14 Ring Flash unit, showing the main control box and the ring flash head connected by a cable.



Figure 4.2: Rear view of the DAF-14 control unit, displaying the TTL Dedicated Macro Digital Flash label, power switch (OFF/ON), and ready indicator light.



Figure 4.3: Detail of the hot shoe mount on the DAF-14 control unit, used for attaching the flash to a Nikon DSLR camera.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the DAF-14 control unit.
2. Open the battery compartment cover.
3. Insert 4 x AA batteries (alkaline, NiCd, or NiMH) according to the polarity indicators inside the compartment. Ensure batteries are inserted correctly to avoid damage.
4. Close the battery compartment cover securely.

5.2 Mounting the Flash to the Camera

1. Ensure your camera is turned off.
2. Slide the hot shoe mount of the DAF-14 control unit into your Nikon DSLR camera's hot shoe.
3. Secure the flash by tightening the locking wheel on the hot shoe mount until it is firmly attached. Do not overtighten.



Figure 5.1: The DAF-14 Ring Flash head attached to a camera lens, with the control unit mounted on the camera's hot

shoe.



Figure 5.2: Side view of the DAF-14 Ring Flash mounted on a Nikon DSLR, illustrating the connection between the flash head and the control unit.

5.3 Attaching Adapter Rings

The DAF-14 Ring Flash head connects to your camera lens via adapter rings. The flash includes a 52mm

lens filter thread and additional adapter rings for 55mm, 58mm, and 67mm lens filter threads.

1. Determine the filter thread size of your camera lens. This is usually printed on the front of the lens or on the lens cap.
2. Select the appropriate adapter ring (52mm, 55mm, 58mm, or 67mm) that matches your lens filter thread.
3. Screw the chosen adapter ring onto the front filter thread of your camera lens.
4. Attach the DAF-14 Ring Flash head to the adapter ring by aligning it and twisting gently until it locks into place.



Figure 5.3: The included adapter rings (55mm, 58mm, 62mm, 67mm) for attaching the ring flash head to various lens filter threads.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To turn on the flash, slide the **OFF/ON** switch on the rear of the control unit to the **ON** position.
- The **READY** indicator light will illuminate when the flash is charged and ready to fire.
- To turn off the flash, slide the **OFF/ON** switch to the **OFF** position.

6.2 Automatic TTL Flash Control

The DAF-14 Ring Flash features fully automatic TTL (Through-The-Lens) flash control. This means the flash output is automatically adjusted by your camera to achieve optimal exposure. Simply set your camera to a compatible flash mode (e.g., Program, Aperture-priority, Shutter-priority, or Manual with flash enabled) and the flash will synchronize with the camera's metering system.

- **Guide Number:** 14 (at ISO 100, 105mm equivalent).
- **Automatic TTL Range:** The effective range for automatic TTL operation is approximately 0.9 to 7 meters (3.0 to 23.0 feet).
- **Auto Exposure Confirmation:** The flash system provides confirmation when correct exposure has been achieved. Refer to your camera's manual for specific indicators.

6.3 Taking Photographs

1. Ensure the flash is securely mounted and powered on, and the **READY** light is illuminated.

2. Set your camera to the desired shooting mode. For macro photography, Aperture-priority mode (A/Av) is often recommended to control depth of field.
3. Focus on your subject. The camera's autofocus system will typically work with the flash.
4. Press the shutter button halfway to allow the camera to meter and the flash to pre-flash (if applicable for TTL).
5. Press the shutter button fully to take the picture. The flash will fire automatically.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the flash unit. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use solvents or abrasive cleaners.
- **Lens Cleaning:** The front of the ring flash head can be cleaned with a lens cleaning cloth and solution, similar to a camera lens.
- **Battery Care:** Remove batteries if the flash will not be used for an extended period to prevent leakage. Store batteries in a cool, dry place.
- **Storage:** Store the flash unit in a dry, dust-free environment, away from extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your DAF-14 Ring Flash, please refer to the following common problems and solutions:

- **Flash does not fire:**
 - Ensure the flash is turned ON.
 - Check if the **READY** light is illuminated. If not, the batteries may be low or incorrectly inserted. Replace batteries or check polarity.
 - Verify the flash is securely mounted to the camera's hot shoe and the locking wheel is tightened.
 - Check camera settings to ensure flash is enabled and in a compatible mode.
- **Photos are too dark (underexposed):**
 - The subject may be outside the effective TTL range (0.9 to 7 meters). Move closer to the subject.
 - Batteries may be low, affecting flash power. Replace with fresh batteries.
 - Check camera's ISO setting. A higher ISO can help in low light conditions.
 - Ensure the lens aperture is not too small (high f-number), which limits light reaching the sensor.
- **Photos are too bright (overexposed):**
 - The subject may be too close to the flash. Increase distance or use flash exposure compensation on your camera if available.
 - Check camera's ISO setting. A lower ISO can help reduce overall brightness.
- **Inconsistent flash firing or power:**
 - This can sometimes be caused by loose battery contacts. Ensure batteries are firmly seated.
 - Clean the hot shoe contacts on both the flash and the camera with a clean, dry cloth.
 - If the issue persists, batteries may be faulty or nearing end-of-life. Try a new set of high-quality batteries.

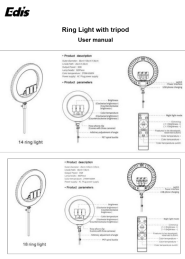
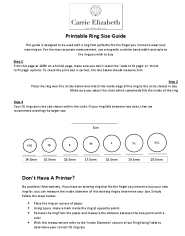
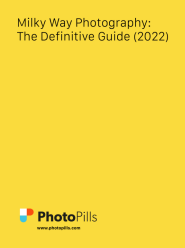


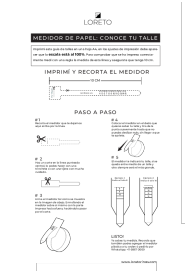
If these steps do not resolve the issue, please contact DÖRR customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	DÖRR
Model Number	371016 (DAF-14)
Guide Number	14 (ISO 100, 105mm)
Flash Control	Automatic TTL
Automatic TTL Range	0.9 - 7 meters (3.0 - 23.0 feet)
Flash Duration	1/700 second (full power)
Color Temperature	5600K
Power Source	4 x AA batteries (Alkaline, NiCd, or NiMH)
Lens Filter Thread	52mm (built-in)
Included Adapter Rings	55mm, 58mm, 67mm
Mounting Type	Hot Shoe Mount
Compatible Mountings	Nikon SB 700 (indicative of Nikon compatibility)
Connectivity Technology	Wireless (implied by hot shoe mount and TTL)
Package Dimensions	21.6 x 17.6 x 7 cm
Package Weight	422 g
Water Resistance Level	Not Water Resistant

10. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official DÖRR website. Keep your proof of purchase for warranty claims.

	<p>Edis Ring Light with Tripod User Manual</p> <p>User manual for Edis Ring Lights with tripod, detailing product descriptions, specifications, and features for 14, 18, and 21-inch models. Includes information on brightness, color temperature, and remote control functions.</p>
	<p>Carrie Elizabeth Printable Ring Size Guide Find Your Perfect Fit</p> <p>Download the Carrie Elizabeth printable ring size guide to accurately measure your finger or existing rings for the perfect jewelry fit. Includes sizing chart and instructions.</p>
	<p>Milky Way Photography: The Definitive Guide (2022) - PhotoPills</p> <p>Master the art of Milky Way photography with PhotoPills' comprehensive guide. Learn planning, gear, camera settings, and techniques to capture stunning night sky images. Features insights from expert photographers and detailed tutorials.</p>
	<p>ComfortStar 14 SEER Air Handler System Technical Manual</p> <p>Comprehensive technical manual for ComfortStar 14 SEER Air Handler Systems, covering specifications, installation, operation, and troubleshooting for indoor and outdoor units. Includes model details for LUC and BAR series.</p>
	<p>DAF LF Quick Reference Guide</p> <p>A concise guide to the systems, controls, and functions of the DAF LF truck, covering pre-drive checks, driving controls, and after-drive procedures.</p>
	<p>Loreto Paper Sizing Tool: Find Your Size</p> <p>A guide from Loreto on how to print and use a paper sizing tool to determine your correct ring size. Includes step-by-step instructions and examples.</p>

