VOKING VK800

VOKING VK800 TTL External Camera Flash User Manual

Model: VK800

1. Introduction

The VOKING VK800 is a high-performance TTL external camera flash designed for use with Nikon DSLR cameras. It offers advanced features to enhance your photography, including automatic i-TTL flash, manual control, multi-flash modes, and optical slave functions. This manual provides detailed instructions for proper setup, operation, and maintenance of your VK800 flash unit.

Key Features:

- High Guide Number: GN58 (at 105mm, ISO 100)
- Flash Modes: i-TTL, Manual (M), Multi (Repeating Flash), S1, S2
- Zoom Range: 24-105mm (14mm with wide panel)
- Fast Recycle Time: Approximately 3 seconds
- Flexible Flash Head: Rotates horizontally 360 degrees and vertically -7 to 90 degrees
- Large LCD Panel for clear settings display
- Metal Hot Shoe for secure camera mounting



Image 1.1: Front and rear view of the VOKING VK800 TTL External Camera Flash, highlighting the LCD display and control buttons.

2. Safety Precautions

Please read and understand these safety precautions before using the VK800 flash unit to prevent injury to yourself or damage to the equipment.

- **Do not** disassemble or modify the flash unit. High voltage components are present inside.
- **Do not** expose the flash to water or high humidity. This can cause electric shock or malfunction.
- **Do not** operate the flash in the presence of flammable gases or liquids.
- Keep out of reach of children.
- Use only recommended AA batteries. Do not mix old and new batteries, or different types of batteries.
- Avoid direct eye exposure to the flash light, especially at close range, as it can impair vision.
- Remove batteries when the flash is not in use for extended periods.

3. Package Contents

Verify that all items are present in your package:

- VOKING VK800 TTL External Camera Flash Unit
- Mini Stand
- Protective Pouch
- User Manual (this document)

4. Component Identification

Familiarize yourself with the various parts of your VK800 flash unit.



Image 4.1: Detailed views of the VOKING VK800 flash unit components.

1. **Flash Head:** Contains the flash tube and zoom mechanism.

2. **Built-in Wide Panel:** Pull out for wider flash coverage (e.g., 14mm).
3. **Built-in Bounce Card:** Pull out to create a catchlight in the subject's eyes or for indirect flash.
4. **LCD Display:** Shows current settings and mode.
5. **Control Panel:** Buttons for mode selection, power, zoom, and navigation.
6. **Hot Shoe:** Connects the flash to the camera's hot shoe.
7. **Battery Compartment:** Holds 4 AA batteries.
8. **PC Sync Port:** For wired connection to cameras or triggers.
9. **External Power Socket:** For connecting an external power pack to reduce recycle time.

5. Setup

5.1 Battery Installation

1. Open the battery compartment cover located on the side of the flash unit.
2. Insert four (4) AA-size batteries according to the polarity indicators (+/-) inside the compartment.
3. Close the battery compartment cover securely.

5.2 Mounting to Camera

1. Ensure both the camera and flash are powered off.
2. Slide the flash's hot shoe onto the camera's hot shoe mount until it clicks into place.
3. Tighten the locking ring or lever on the flash unit to secure it to the camera.

5.3 Power On/Off

- To power on, slide the power switch to the 'ON' position. The LCD screen will illuminate.
- To power off, slide the power switch to the 'OFF' position.

6. Operating Modes

6.1 i-TTL Automatic Flash Mode

In i-TTL mode, the flash automatically determines the optimal flash output based on the camera's metering system, providing balanced exposure for your subject.

- Press the **MODE** button until 'TTL' appears on the LCD screen.
- The flash will communicate with your Nikon camera to deliver appropriate light.



Image 6.1: The VK800 flash operating in i-TTL mode, automatically adjusting flash brightness.

6.2 Manual (M) Flash Mode

Manual mode allows you to set the flash output power manually, from 1/1 (full power) to 1/128 power, in 1/3 stop increments.

- Press the **MODE** button until 'M' appears on the LCD screen.
- Use the navigation buttons (up/down) to adjust the flash output power.

6.3 Multi (Stroboscopic) Flash Mode

Multi mode fires the flash repeatedly during a single exposure, creating a stroboscopic effect for capturing multiple movements of a subject.

- Press the **MODE** button until 'MULTI' appears on the LCD screen.
- Adjust the flash frequency (Hz), number of flashes, and flash output using the control buttons.

6.4 Slave Modes (S1/S2)

The VK800 can be triggered wirelessly by another flash unit using its optical slave modes.

- Press the **MODE** button until 'S1' or 'S2' appears.
- **S1 Mode:** Triggers the VK800 when it detects a flash from a master flash. Suitable for manual flash systems.
- **S2 Mode:** Ignores the pre-flash of a TTL master flash and triggers on the main flash. Suitable for TTL flash systems.

6.5 Zoom Function

The flash zoom can be set automatically or manually to match the lens focal length.

- Press the **ZOOM** button to cycle between auto and manual zoom settings.
- In manual zoom, use the navigation buttons to adjust the focal length (e.g., 24mm, 35mm, 50mm, 70mm, 85mm, 105mm).

6.6 Flash Head Rotation

The flash head can be rotated to bounce light off ceilings or walls for softer illumination.

- The flash head rotates 360 degrees horizontally (±180 degrees).
- It tilts vertically from -7 degrees (down) to 90 degrees (up).



Image 6.2: Illustration of the VK800 flash head's rotational capabilities.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the flash unit. For stubborn dirt, use a slightly damp cloth and then dry thoroughly. Do not use solvents or abrasive cleaners.
- **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 its protective pouch in a cool, dry, and dust-free environment. Avoid extreme temperatures.

8. Troubleshooting

If you encounter issues with your VK800 flash, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Flash does not power on.	Batteries are dead or incorrectly inserted.	Replace batteries or check polarity.
Flash does not fire.	Flash not securely mounted; camera settings incorrect; flash in sleep mode.	Ensure flash is securely mounted and locked. Check camera flash settings. Press test button to wake flash.
Images are over/underexposed.	Incorrect flash compensation; flash mode mismatch.	Adjust flash exposure compensation. Ensure correct flash mode (TTL for automatic, M for manual control).
Slow recycle time.	Low battery power; high flash output.	Replace batteries. Reduce flash output power. Consider an external power pack.
Flash head does not rotate smoothly.	Obstruction or dirt.	Check for any obstructions. Clean the rotating mechanism carefully. Do not force rotation.

9. Specifications

Detailed technical specifications for the VOKING VK800 flash unit.

Feature	Specification
Product Model	VK800
Flash Type	Professional Speedlite
Circuit Design	Insulated Gate Bipolar Transistor (IGBT)

Feature	Specification
Guide Number	58 meters (ISO 100, 105mm)
Flash Mode	TTL, M, MULTI, S1, S2
Flash Coverage	18-105mm (14mm with wide panel)
Multiple Flash Operation	Advanced Wireless Lighting (Optical Pulse)
Other Functions	Thermal Cut-out
Power Supply	4 AA size batteries
Recycle Time	About 3 seconds
Custom Settings	5 items
Weight	About 419g (14.1 ounces)
Dimensions (L x W x H)	About 200 x 78 x 58mm (8.27 x 4.33 x 3.35 inches)
Compatible Mountings	Nikon
Mounting Type	Hot Shoe Mount

10. Warranty and Support

10.1 Warranty Information

VOKING products are designed for reliability and performance. This product is covered by a limited warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims. Specific warranty terms and duration may vary by region and retailer. For detailed warranty information, please refer to the warranty card included with your product or contact VOKING customer support.

10.2 Customer Support

If you have any questions, require technical assistance, or need to report an issue with your VOKING VK800 flash, please contact our customer support team. Contact details can typically be found on the VOKING official website or on your product packaging.

For the most up-to-date support information, please visit:www.voking.com/support (*Note: This is a placeholder URL as no specific support link was provided.*)

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