

## Nikon SB-24

# Nikon SB-24 Speedlight Flash Instruction Manual

Model: **SB-24** | Brand: **Nikon**

## 1. INTRODUCTION AND OVERVIEW

The Nikon SB-24 Speedlight Flash is an external flash unit designed to provide enhanced lighting for your photography. It offers advanced features such as Through-The-Lens (TTL) metering, allowing for automatic and precise flash exposure. Compatible with various Nikon cameras, the SB-24 is a versatile tool for both amateur and professional photographers seeking improved illumination and creative control.

Key features include multiple flash modes, a swiveling and tilting flash head for bounce flash, and a clear LCD display for easy setting adjustments.



*Image 1.1: The Nikon SB-24 Speedlight flash unit, showing its LCD screen and controls. A white diffuser cap is also visible.*

## 2. SETUP

### 2.1 Battery Installation

The SB-24 Speedlight requires four (4) AA-size batteries for operation. Use alkaline, NiMH, or lithium batteries for optimal performance.

1. Locate the battery compartment cover on the side or bottom of the flash unit.
2. Slide or unlatch the cover to open the compartment.
3. Insert four AA batteries, ensuring correct polarity (+ and -) as indicated inside the compartment.
4. Close the battery compartment cover securely.

## 2.2 Mounting the Flash to Your Camera

To attach the SB-24 to your camera's hot shoe:

1. Ensure both the camera and the flash unit are turned off.
2. Slide the flash's mounting foot into the camera's hot shoe until it clicks into place.
3. Tighten the locking ring or lever on the flash unit to secure it firmly to the hot shoe.
4. To remove, loosen the locking mechanism and slide the flash off the hot shoe.



*Image 2.1: The Nikon SB-24 Speedlight flash unit shown with its carrying case and diffuser cap.*

## 3. OPERATING INSTRUCTIONS

### 3.1 Power On/Off

To turn the flash on, slide the power switch to the 'ON' position. The LCD panel will illuminate. To turn off, slide the switch to 'OFF'. The flash may enter a standby mode after a period of inactivity to conserve battery power.

### 3.2 Flash Modes

The SB-24 offers several flash modes to suit different shooting conditions:

- **TTL (Through-The-Lens) Mode:** This is the standard automatic exposure mode. The flash output is automatically controlled based on light measurements taken through the camera's lens, ensuring balanced exposure.
- **Manual Mode:** Allows you to manually set the flash output power (e.g., Full, 1/2, 1/4, etc.). This mode provides precise control for specific lighting setups.
- **Auto Aperture (A) Mode:** The flash automatically adjusts output based on the aperture set on the flash unit and the subject distance.
- **Rear-Curtain Sync:** Synchronizes the flash to fire just before the second curtain closes, creating natural-looking light trails behind moving subjects.
- **Red-Eye Reduction:** Fires a series of pre-flashes to constrict the subject's pupils, reducing the red-eye effect.

### 3.3 Flash Head Adjustment

The flash head can be tilted upwards and downwards, and swiveled horizontally. This allows for bounce flash photography, where the light is directed off a ceiling or wall for softer, more natural illumination. Adjust the head by gently rotating or tilting it to the desired angle.

## 4. MAINTENANCE

### 4.1 Cleaning

To clean the flash unit, use a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution. Avoid using strong solvents or abrasive materials. Keep the flash tube and sensor window clean for optimal performance.

### 4.2 Storage

When not in use for extended periods, remove the batteries to prevent leakage and corrosion. Store the flash unit in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided carrying case for protection during storage and transport.

## 5. TROUBLESHOOTING

If you encounter issues with your SB-24 Speedlight, consider the following:

- **Flash Not Firing:**
  - Check if the flash is turned on and fully charged (ready light illuminated).
  - Ensure batteries are correctly inserted and have sufficient charge. Replace if necessary.
  - Verify the flash is securely mounted to the camera's hot shoe.
  - Check camera settings to ensure external flash is enabled and compatible with the selected mode.
- **Incorrect Exposure:**
  - In TTL mode, ensure your camera's metering mode is appropriate for the scene.
  - In Manual mode, adjust the flash power output.
  - Check for obstructions in front of the flash or sensor.
  - Consider adjusting flash exposure compensation on either the flash or the camera.
- **Flash Head Not Moving:**
  - Ensure no locking mechanisms are engaged that prevent movement.

- Do not force the flash head; if it feels stuck, inspect for debris or damage.

For persistent issues, consult a qualified service technician.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Nikon
Model Name	SB-24
Compatible Mountings	Nikon
Battery Type	4 x AA batteries
Battery Life (Average)	6 Hours
Camera Flash Type	External Flash
Flash Sync Speed	1/250 second
Connectivity Technology	Wireless (Optical Pulse)
Mount Type	Hot Shoe Mount
Exposure Control Type	TTL
Color	Black
Item Weight	1.15 Pounds
UPC	018208047055

## 7. WARRANTY AND SUPPORT

For information regarding warranty coverage, service, and technical support for your Nikon SB-24 Speedlight Flash, please refer to the official Nikon website or contact Nikon customer service directly. Warranty terms may vary based on region and purchase date.

Official Nikon Website: [www.nikonusa.com](http://www.nikonusa.com)